Curriculum Vitae

Michael E. Mann

Department of Earth and Environmental Science, University of Pennsylvania,
Philadelphia, PA 19104
email: mann@michaelmann.net
website: http://www.michaelmann.net

Education

1998 Ph.D. Yale University, Department of Geology & Geophysics (defended 1996)
1991 M.Phil. Yale University, Department of Physics
1991 M.S. Yale University, Department of Physics
1989 A.B. (double), University of California-Berkeley, Applied Math, Physics (Honors)

Honors and Awards

2026 Green Development and Sustainability Award (GDSA), International Engineering and Technology Institute (IETI)
2026 Favorite Climate Books, *Yale Climate Connections* (for "The Hockey Stick and the Climate Wars")
2026 Fellow, International Engineering and Technology Institute (IETI)
2026 Elected to American Academy of Arts & Sciences
2026 Balles Prize for Critical Thinking (shared with Peter Hotez; for "Science Under Siege"), *Committee for Skeptical Inquiry*
2025 Highly Cited Researcher (Cross-Field), Institute for Scientific Information (ISI)
2025 The Best Books of 2025, *Financial Times (UK)* ("Science Under Siege")
2025 The Greatest Books of 2025, *The Telegraph (UK)* ("Science Under Siege")
2025 *Climate 100* list 2025, *The Independent' (UK)*
2025 Honorary Doctorate, the Education University of Hong Kong
2025 The 100 most influential professors in the world, *The Tech Advocate*
2025 The 100 most influential higher education leaders in the world, *The Tech Advocate*
2025 Long-listed, *Green Earth Book Award* (the Nature Generation) for "How to Teach Grown Ups About Climate Change" (forward by M. Mann)
2025 Planet Earth Award, *Alliance of World Scientists*
2025 Explorer's Club 50, *The Explorers Club*
2025 Best Climate Change Books of All Time (#1), *Book Authority* ("The New Climate War")
2024 Highly Cited Researcher (Cross-Field), Institute for Scientific Information (ISI)
2024 Best books of 2024, *Der Spiegel*, for "Moment der Entscheidung" (German edition of "Our Fragile Moment")
2024 *Climate 100* list of foremost environmentalists, *The Independent*
2024 Knowledge Book of the Year (nominated), ("Our Fragile Moment"; German edition), bild der Wissenschaft, Germany
2024 Honorary Doctorate, Rockefeller University

2024 Election to the Royal Society (UK), Foreign Member
2024 One Health Champion Honoree, *EcoHealth Alliance*
2024 Climate Champion Award, *PennFuture*
2023 John Scott Award, The Franklin Institute and City Council of Philadelphia
2023 Favorite books of 2023, *Newsweek*, for "Our Fragile Moment"
2023 Best books of 2023, *Financial Times*, for "Our Fragile Moment"
2023 Humanist of the Year, American Humanist Association
2023 20 Best Sustainability Books of all time, *Book Authority* ("The New Climate War")
2023 Esteemed Paper Prize from *Advances in Atmospheric Science* (Springer), for Cheng *et al*, "Upper Ocean Temperatures Hit Record High in 2020"
2022 Stroud Award for Freshwater Excellence, Stroud Water Research Center
2022 World's 100 Most Influential People in Climate Policy (Top 20), *Apolitical*
2022 Location named in my honor by the community of Rothweit, municipality of Hesperange, Luxembourg, Europe (site located at latitude 49.570792, longitude 6.162373), July 8 2022.
2022 Esteemed Paper Prize from *Advances in Atmospheric Science* (Springer), for Cheng *et al*, "Record-Setting Ocean Warmth Continued in 2019"
2022 Honorary Doctorate, Université catholique de Louvain (Belgium)
2022 Best new books on climate change, *Financial Times*, for "The Tantrum That Saved the World"
2022 Short-listed, *UK Business Book Awards*, for "The New Climate War"
2022 Best of Climate Books 2021, *Bild der Wissenschaft*, for "The New Climate War"
2022 Best Books of 2021, *Pulse of Europe*, for "The New Climate War"
2021 Leo Szilard Lectureship Award, American Physical Society
2021 Runner-up, Business Book of the Year*, Financial Times,* for "The New Climate War"
2021 Top 10 Books of 2021, *International Affairs* (OUP), for "The New Climate War"
2021 Notable Books of 2021, *Behavioral Scientist*, for "The New Climate War"
2021 Best books of 2021: Science and Sci-Fi, *New Scientist*, for "The New Climate War"
2021 Fifteen Best Science & Environment Books 2021, *The Times,* for "The New Climate War"
2021 Best books of 2021: Climate and Environment, *Financial Times*, for "The New Climate War"
2021 Top Influencer on climate change, *Onalytica*
2021 Elected to *Cosmos Club*
2021 Long-listed, *Wainwright Prize*, for "The New Climate War"
2021 Honorary Doctorate of Science, Bard College
2021 Best New Climate Change Books, *Book Authority,* for "The New Climate War"
2021 Editor's pick, best non-fiction, *Amazon.com*, for "The New Climate War"
2020 Article selected 2020 editor's highlight by *Nature Communications,* for Konapala *et al*, "Climate Change Will Affect Global Water Availability…"
2020 Stephen Schneider Lecture, American Geophysical Union
2020 World Sustainability Award, MDPI Sustainability Foundation
2020 Ten Most Influential Earth Scientists, *Academic Influence*
2020 Elected to National Academy of Sciences
2020 Louis J. Battan Author's Award, American Meteorological Society (AMS), for "The Tantrum that Saved the World"
2020 Top 100 Twitter Accounts, *The Climate Group*
2019 Honorary Doctorate of Science, McMaster University
2019 Certification of Recognition, Mayor Eric Garcetti on behalf of the City of Los Angeles
2019 Top 100 Influencers in Sustainability, *Onalytica*
2019 Praxis Award in Professional Ethics, Villanova University

2019 World's 100 Most Influential People in Climate Policy (Top 20), *Apolitical*
2019 Tyler Prize for Environmental Achievement
2018 Climate Communication Prize, American Geophysical Union (AGU)
2018 Bronze medal in the "Environmental" category, Moonbeam Children's Book Awards, for "The Tantrum that Saved the World"
2018 Honorary Member, Societa Meteorologica Italiana
2018 Climate Education Award, Citizen's Climate Lobby West Virginia
2018 *Best Schools* list of "Top 15 climate change scientists"
2018 Elected Fellow of the Geological Society of America (GSA)
2018 Award for Public Engagement with Science, American Association for the Advancement of Science (AAAS)
2018 Elected Fellow of the Committee for Skeptical Inquiry, Center for Skeptical Inquiry
2017 Stephen H. Schneider Award for Outstanding Climate Science Communication, Climate One & The Commonwealth Club
2017 Citation for "Outstanding" book, the University Press Books Committee of the American Association of University Professors, for "The Madhouse Effect"
2017 James H. Shea Award of the National Association of Geoscience Teachers (NAGT)
2017 Inducted into International Green Industry Hall of Fame
2017 September 23rd proclaimed "Climate Change and Green Jobs Day" in honor of Michael E. Mann by Charlotte North Carolina Mayor Jennifer Watson Roberts
2017 Honorary Doctorate of Science, Green Mountain College
2017 Profiled in *Protecting the Planet: Environmental Champions from Conservation to Climate Change* (Prometheus Books)
2016 Elected Vice Chair, Topical Group on Physics of Climate (GPC), American Physical Society (APS) [transitions to Chair-Elect in 2017 and Chair in 2018]
2016 Ocean Buoy named in my honor by the Southern Ocean Carbon and Climate Observations and Modeling (SOCCOM) project
2015 Elected Fellow of the American Association for the Advancement of Science (AAAS)
2015 Honorary Doctorate of Humane Letters, Le Moyne College
2015 Highly Cited Researcher (Geosciences), Institute for Scientific Information (ISI)
2015 *Business Insider* list of 50 "scientists who are changing the way we see the world"
2014 *Economia Magazine* list of 50 Leading Finance Leaders, Influencers and Innovators
2014 Pongo Award, Orang Utan Republik Foundation
2014 Highly Cited Researcher, Institute for Scientific Information (ISI)
2014 Friend of the Planet Award, National Center for Science Education
2014 Article [Mann, M.E. *et al*, Northern Hemisphere Temperatures During the Past Millennium: Inferences, Uncertainties, and Limitations, *Geophysical Research Letters*, 26, 759-762, 1999] selected by American Geophysical Union for inclusion in *GRL* 40th anniversary collection.
2014 Profiled in *Contemporary Authors* (Gale Publishing)
2013 National Conservation Achievement Award, National Wildlife Federation
2013 Bloomberg News list of 50 Most Influential People
2013 Honorable mention, Green Book Awards, for "The Hockey Stick and the Climate Wars"
2013 Appointed Distinguished Professor, Pennsylvania State University
2013 Elected Fellow of the American Meteorological Society
2012 Hans Oeschger Medal, European Geosciences Union
2012 Elected Fellow of the American Geophysical Union

2011 Elected Member-at-Large of Section W (Atmospheric & Hydrospheric Sciences), American Association for the Advancement of Science (AAAS)
2010 *CollegeStats* list of 25 "most famous college professors teaching today"
2008 Profiled in *American Environmental Leaders from Colonial Times to the Present*
2008 Website "RealClimate.org" (co-founded by M. Mann) chosen as one of top 15 "green" websites by *Time Magazine* (April 2008)
2007 Contributed (with other IPCC report authors) to the award of the 2007 Nobel Peace Prize
2006 American Geophysical Union Editors' Citation for Excellence in Refereeing (for '*Geophysical Research Letters*')
2005 Website "RealClimate.org" (co-founded by M. Mann) chosen as one of top 25 "Science and Technology" websites by *Scientific American*
2005 John Russell Mather Paper award for 2005 by the Association of American Geographers [for article: Frauenfeld, O., Davis, R.E., and Mann, M.E., A Distinctly Interdecadal Signal of Pacific Ocean-Atmosphere Interaction, *Journal of Climate* 18, 1709-1718, 2005]
2002 Named by *Scientific American* as one of 50 leading visionaries in science and technology
2002 Outstanding Scientific Paper award for 2002 by NOAA Office of Oceanic and Atmospheric Research (OAR) [for article: Delworth, T.L., Mann, M.E., Observed and Simulated Multidecadal Variability in the Northern Hemisphere, *Climate Dynamics,* 16, 661-676, 2000]
2002 Article [Mann et al, "Global-scale temperature patterns and climate forcing over the past six centuries", *Nature*, 392, 779-787, 1998] selected for 'fast moving fronts' by Institute for Scientific Information (ISI)
2002 Selected as one of 10 'Mead Honored Faculty', University of Virginia
1998 Council of Graduate Schools' Distinguished Dissertation Award, nominated
1997 Phillip M. Orville Prize for outstanding dissertation in the earth sciences, Yale University
1996 Alexander Hollaender Distinguished Postdoctoral Fellowship (DOE)
1989 Josiah Willard Gibbs Prize for outstanding research and scholarship in Physics, Yale University

Professional Experience (1996-present)

2022- *Presidential Distinguished Professor*, University of Pennsylvania, Department of Earth and Environmental Science [joint appointment in the Annenberg School for Communication]
2022- *Founding Director*, Penn Center for Science, Sustainability, and the Media (PCSSM), University of Pennsylvania
2024-25 *Vice Provost for climate science, policy, and action*, University of Pennsylvania
2024- *Faculty Fellow*, Penn Institute for Urban Research, University of Pennsylvania
2022- *Faculty Fellow*, Kleinman Center for Energy Policy, University of Pennsylvania
2022- *Faculty Fellow*, Perry World House, University of Pennsylvania
2022- *Faculty Fellow*, Annenberg Public Policy Center, University of Pennsylvania
2013-22 *Distinguished Professor of Atmospheric Science*, Pennsylvania State University
2009-13 *Professor*, Pennsylvania State University, Department of Meteorology [joint appointments in Department of Geosciences and Earth and Environmental Systems Institute (EESI)]
2005-09 *Associate Professor*, Pennsylvania State University, Department of Meteorology [joint appointments in Department of Geosciences and Earth and Environmental Systems Institute (EESI)]
2005-22 *Director*, Earth System Science Center (ESSC), Pennsylvania State University
1999-05 *Assistant Professor*, University of Virginia, Department of Environmental Sciences
1998-99 *Research Assistant Professor*, University of Massachusetts, Department of Geosciences

1997-98 *Adjunct Assistant Professor,* University of Massachusetts, Department of Geosciences
1996-98 *Alexander Hollaender Distinguished Postdoctoral Research Fellow* (DOE)

Courses Taught

SDG Academy (U.N. SDSN) (2019-):

Climate Change: The Science and Global Impact (online MOOC via EdX) (total enrollment 39.5K+ as of 9/26)

University of Pennsylvania (2022-):

COMM 4330/6330	*Climate Change and Communication: Theories And Applications*
EESC 2300	*Global Climate Change*
INTG 002	*History of the Environment*

Penn State University (2005-2022):

EARTH 2	*The Earth System and Global Change*
EM SC 100S	*Climate Change and Potential Societal Impacts (1st year seminar)*
ENNEC 472	*Quantitative Analysis in the Earth Sciences*
METEO 469	*From Meteorology to Mitigation: Understanding Global Warming*
METEO 470	*Climate Dynamics*
METEO 497	*Climate Communication*
METEO 523	*Climate Modeling*
METEO 575/GEOSCI 597B	*Climate Dynamics Seminar*

University of Virginia (1999-2005):

EVSC 181	*Climate Change: Past and Future*
EVSC 350	*Atmosphere and Weather*
EVSC 495	*Capstone Seminar: The Arctic*
EVCS 494/495/EVAT795	*Data Analysis & Climate Change*
EVSC 494/EVAT 796	*Climate and the History of Human Culture*
EVAT 554	*Ocean-Atmosphere Dynamics*
EVAT 793	*Statistical Climatology*
EVAT 795	*Modeling of Climate Variability*

University of Massachusetts (1998):

GEO 591	*Data Analysis & Climate Change*

Mentoring

Postdoctoral Researchers:

University of Pennsylvania, Dept of Earth & Environmental Science (2022-)

- *Xueke Li,* 2023-
- *Judit Carrillo,* 2023-

University of Pennsylvania, Center for Science, Sustainability and the Media (2022-)

- *Eryn Campbell,* 2023-
- *Lauren Lutzke,* 2023-
- *Alyssa Sinclair,* 2023-

Penn State University Dept. of Meteorology (2005-22):

- *Palash Sinha* (joint w/ J. Fuentes), 2013-15
- *Ryan Sriver (NOAA Postdoctoral Fellow)*, 2008-2009
- *Byron Steinman (NSF Postdoctoral Fellow)*, 2012-2014
- *Zhihua Zhang*, 2005-2009

University of Virginia Dept. of Environmental Sciences (1999-2005):

- *Feinbao Ni* (joint w/ M. Hughes, University of Arizona), 2002-2003
- *Pedro Ribera,* (Visiting postdoctoral research fellow, University of Vigo, Spain), 2000
- *Scott Rutherford*, 2000-2003
- *Mei-Yu* (joint w/ H. Epstein), 2002-2003

Graduate Students:

University of Pennsylvania, Dept. of Earth and Environmental Science (2022-):

- *Christopher Larson,* Ph.D. Candidate*:* major adviser, 2022-
- *Annabelle Horton*, Ph.D. Candidate*:* major adviser, 2023-
- *Mackenzie Weaver,* Ph.D. Candidate*:* major adviser, 2023-
- *Shunzi Lu,* Ph.D. Candidate: committee member, 2023-26

University of Pennsylvania, Environmental Studies (2022-):

- *Hannah Schwalberg,* Masters Candidate, primary reader, 2022-24
- *Lotus Kaufman,* Masters Candidate, secondary reader, 2023-24
- *Justin Cairns,* Masters Candidate, secondary reader, 2023-24
- *Emily Stephens,* Masters Candidate, secondary reader, 2024-25
- *Natalie Glasgow,* Masters Candidate, secondary reader, 2025-26

Penn State University Dept. of Meteorology (2005-2022):

- *Ana Bolivar,* M.S. Candidate*:* major adviser, 2021-22
- *Aviva Braun,* M.S. 2009: committee member, 2008-09
- *Daniel Brouillette*, M.S. 2015: major adviser, 2012-15
- *Fangxing Fan*, Ph.D. 2011: major adviser, 2005-11
- *Screece Dawn Goldberger,* M.S. 2015: major adviser, 2013-15
- *Maria Herrmann,* Ph.D. 2010: committee member, 2008-10
- *Holly Hamilton,* Ph.D 2015: committee member, 2012-15
- *Brandon Katz*, M.S. 2009: co-adviser, 2006-09
- *Muge Komercu*, Ph.D. candidate: co-adviser, 2006-08
- *Alexander Kowaleski*, M.S. candidate: committee member, 2013-14
- *Michael Kozar,* M.S. 2011: major adviser, 2010-11
- *Liang Ning*, Ph.D. 2012: major adviser, 2008-12
- *Andrew Ross,* M.S./Ph.D candidate: committee member, 2012-17
- *Andra Reed*, Ph.D. 2016: major adviser, 2012-16
- *Michelle Ricciardi,* M.S. 2011: committee member, 2011
- *Thomas Sabbatelli,* M.S. 2009 (*AMS Graduate Fellow*): co-adviser, 2008-09
- *Steven Simon,* M.S. 2015: major adviser, 2011-15
- *Vanessa Vanyo,* M.S. candidate: major adviser, 2013-15
- *Amanda Walker,* M.S. candidate: co-adviser, 2015-17

Penn State University Dept. of Geosciences (2005-2022):

- *Patrick Applegate*, Ph.D. 2009: committee member, 2005-09
- *Joshua Dorin*, M.S. 2008: committee member, 2006-08

- *John Mischler,* M.S. 2008: committee member, 2007-08

Penn State University Dept. of Geography (2005-2022):

- *Weiming Hu*, Ph.D. candidate: committee member, 2018-21
- *Chris Karmosky*, Ph.D. 2012: committee member, 2009-12

Penn State University Dept. of Civil and Environmental Engineering (2005-2022):

- *Kathryn van Werkhoven*, Ph.D. 2008: committee member, 2007-08

Penn State University (Other):

- *Penn State Intellectual Decisions on Environmental Awareness Solutions ("I.D.E.A.S") undergraduate club,* Faculty Sponsor/Adviser, 2017-
- *Penn State Science Policy Society (*Graduate Student Organization*)*, Faculty Sponsor/Adviser, 2014-2020
- *Dual Title Graduate Program in Climate Science* (Department of Meteorology and Atmospheric Science), Program Coordinator 2018-2020

University of Virginia Dept. of Environmental Sciences (1999-2005):

- *Julian Adams*, M.S. 2003: major adviser, 2000-2003
- *Kaycie Billmark*, Ph.D. 2003: committee member, 1999-2003
- *Joel Carr*, M.S. 2002: committee member, 2000-2002
- *Peter Cleary*, M.S. 2004: co-adviser, 2002-2004
- *Benjamin Cook*, M.S. 2004; Ph.D. 2007: co-adviser, 2001-2005
- *Dan Druckenbrod*, Ph.D. 2003: committee member, 1999-2003
- *Oliver Frauenfeld* Ph.D. 2003: committee member, 2001-2003
- *Ian German-Mesner*, M.S. candidate: major adviser, 2002-2005
- *Kevin Jones*, M.S. 2002: committee member, 2001-2002
- *Courtenay Strong*, Ph.D. 2005: committee member, 2003-2005
- *Tana Wood*, M.S. 2002; Ph.D. 2005: committee member, 2001-2005
- *Zhihua Zhang*, Ph.D. 2006: major adviser, 2000-2006

University of Massachusetts Dept. of Geosciences (1997-1999):

- *Caspar Ammann*, Ph.D. 2000: co-adviser, 1998-2000
- *Anne Waple*, Ph.D. 1999: co-adviser and committee member, 1997-1999
- *Bo-Min Sun*, Ph.D. 1999: committee member, 1998-1999

External Committee Member (2001-)

- *Phil Lane,* Ph.D. 2001: external committee member, MIT, 2010-11
- *Heidi Cullen,* Ph.D. 2001: external committee member, Columbia University, 2000-01
- *Silvia Venegas,* Ph.D. 2001: external committee member, University of Copenhagen, 2000-01

<u>Undergraduates:</u>

University of Pennsylvania, Dept of Earth & Environmental Science (2022-)

- *Alice Andrews,* 2022-25
- *Kevin Chen* (Physics)*,* 2023-24
- *Brendan Chapko,* 2023-25
- *Iman Ali,* 2024-
- *Maria Villareal,* 2024-

University of Pennsylvania, Center for Science, Sustainability and the Media (2022-)

- *Elijah Cook,* 2023-24
- *Lotus Kaufman,* 2023-24

- *Julia Pampush,* 2023-24
- *Annika Sheridan,* 2024-

Penn State University Dept. of Meteorology (2005-):

- *Anson Hill-Yu Cheung*, 2015 (NSF REU summer student from U. Arizona)
- *Nathan Lis*, 2015
- *Greg Drelich,* 2012
- *Michael Kozar,* 2009-2010
- *Thomas Sabbatelli*, 2005-2008

University of Virginia Dept. of Environmental Sciences (1999-2005):

- *Michelle L'Heureux*, 2001-2004

Primary Research Interests

Climate variability; Climate change; Signal detection; Climate prediction; Extreme weather events; Climate impacts; Paleoclimate; Science communication

Research Grants

2024-2025 Global Climate Impacts, Risks and Vulnerabilities (M.E. Mann collaborator), Penn Environmental Innovations Initiative [P.I. Irina Marinov, M.E. Mann is a collaborator]: $25,000

2023-2024 *Are Those Who Most Benefit from the IRA Aware It Exists? Guidance for Stakeholders and Policymakers*, Kleinman Center for Energy Policy Research Grants [Principal Investigator: M.E. Mann]: $15,000

2023-2024 *Understanding Climate Anxiety and Messaging in Climate Change Communication in Understudied Populations Among Philadelphia Area Middle and High Schoolers*, Environmental Innovations Initiative [Principal Investigator: M.E. Mann]: $25,000

2021-2022 *Machine Learning: Enhanced Seasonal Hurricane Forecasting: Proof of Concept*, Penn State/IBM Nittany A.I. Alliance Project [Principal Investigator: M.E. Mann] PSU award (M.E. Mann): $15,000

2018-2022 *Improved Characterization of Internal Decadal-Multidecadal Climate Variability Using Paleoclimate Archives, Observational Climate Data and Model Simulations*, NSF-Paleoclimate Program (Award #1748097) [Principal Investigators: M.E. Mann (Penn State Univ.), B. Steinman (Univ. of Minnesota-Duluth)] PSU award (M.E. Mann): $474,083

2016-2019 *The Power of Many: Ensemble Toolkit for Earth Sciences,* NSF- ICER ("EarthCube") Program (Award #1639707) [Principal Investigators: S. Jha (Rutgers Univ), G. Cervone (Penn State Univ.), M.E. Mann (Penn State Univ.)] PSU award (M.E. Mann and G. Cervone): $391,000

2015-2018 *Quantitative Reconstruction of Past Drought Patterns in Western North America Using Lakes, Stable Isotopes, and Modeling,* NSF-P2C2 Program (Award #1446329) [Principal Investigators: B. Steinman (Univ. of Minnesota-Duluth), M. Abbott (Univ. of Pittsburgh), M.E. Mann (Penn State Univ.)] PSU award (M.E. Mann): $145,002

2012-2017 *WSC-Category 2 Collaborative: Robust decision-making for South Florida water resources by ecosystem service valuation, hydro-economic optimization, and conflict resolution modeling,* NSF-Water Sustainability & Climate Program (Award #1204666) [Multi-institution award (Univ. of Central Florida/Univ. of Florida/Univ. of

Hawaii/Michigan Tech. Univ/Univ. South Florida/Univ. of Miami/Univ. of Penn/Penn State Univ). Principal Investigator (Penn State Univ): J.D. Fuentes; Co-Investigator (Penn State Univ.): M.E. Mann] PSU award (J.D. Fuentes/M.E. Mann): $300,514

2011-2014 *Megadrought: Local vs Remote Causal Factors for Medieval North America*, NSF-Paleo Perspectives on Climate Change Program (Award #1103316) [Principal Investigator: S. Feng (Univ. of Nebraska); Co-Investigators: Q. Hu, R.J. Oglesby, C.M. Rowe (Univ. of Nebraska), M.E. Mann (Penn State Univ.)] PSU award (M.E. Mann): $151,755

2011-2014 *Advanced Regional And Decadal Predictions Of Coastal Inundation for the U.S. Atlantic and Gulf Coasts,* NOAA-Improving NOAA's Climate Services for the Coastal Zone (Special Competition) (Award #NA11OAR4310101 [Principal Investigators: B. Horton (Univ. of Pennsylvania), J. Donnelly (WHOI), Reide Corbett (East Carolina Univ.), A. Kemp (Yale University), K. Lindeman (Florida Inst. Tech.), M.E. Mann (Penn State Univ.), D. Peltier (Univ. of Toronto, Canada), S. Rahmstorf (University of Potsdam, Germany)] PSU award (M.E. Mann): $120,463

2011-2014 *Climate and Society – Innovative and Sustainable Collaboration with Senegal,* Penn State University-AESEDA program [Principal Investigator: J.D. Fuentes; Co-Investigators: P. Tschakert, J. L. Evans, A. M. Thompson, and M.E. Mann] PSU internal award: $75,000

2010-2013 *Development of a Northern Hemisphere Gridded Precipitation Dataset Spanning the Past Half Millennium for Analyzing Interannual and Longer-Term Variability in the Monsoons*, NOAA-Climate Change Data & Detection (CCDD) Program (Award #NA10OAR4310111[Principal Investigators: Q. Hu, S. Feng, R.J. Oglesby (Univ. of Nebraska), M.E. Mann (Penn State Univ.)] PSU award (M.E. Mann): $249,800

2010-2012 *Climate Literacy Zoo Education Network*, NSF-Arctic Research & Education (Award #1043284) [Principal Investigators: A. Grajal (Chicago Zoological Society), S.R. Goldman (Univ. of Illinois-Chicago), M.E. Mann (Penn State Univ.)] PSU award (M.E. Mann): $32,733

2009-2013 *Quantifying the influence of environmental temperature on transmission of vector-borne diseases,* NSF-EF (Award #0914384) [Principal Investigator: M. Thomas; Co-Investigators: R.G. Crane, M.E. Mann, A. Read, T. Scott (Penn State Univ.)] $1,884,991

2009-2012 *Toward Improved Projections of the Climate Response to Anthropogenic Forcing: Combining Paleoclimate Proxy and Instrumental Observations with an Earth System Model,* NSF-ATM (Award #0902133) [Principal Investigator: M.E. Mann; Co-Investigators: K. Keller (Penn State Univ.), A. Timmermann (Univ. of Hawaii)] $541,184

2008-2011 *A Framework for Probabilistic Projections of Energy-Relevant Streamflow Indices,* DOE [Principal Investigator: T. Wagener; Co-Investigators: M. Mann, R. Crane, K. Freeman (Penn State Univ.)] $330,000

2008-2009 *AMS Industry/Government Graduate Fellowship* (Anthony Sabbatelli), American Meteorological Society [Principal Investigator: M.E. Mann (Penn State Univ.)] $23,000

2006-2009 *Climate Change Collective Learning and Observatory Network in Ghana,* USAID (Award #EEM-A-00-06-00014) [Principal Investigator: P. Tschakert; Co-Investigators: M.E. Mann, W. Easterling (Penn State Univ.)] $759,928

2006-2009 *Analysis and testing of proxy-based climate reconstructions,* NSF-ATM (Award #0542356 [Principal Investigator: M.E. Mann (Penn State Univ.)] $459,000

2006-2009 *Constraining the Tropical Pacific's Role in Low-Frequency Climate Change of the Last Millennium*, NOAA-Climate Change Data & Detection (CCDD) Program (Grant #NA06OAR4310116) [Principal Investigators: K. Cobb (Georgia Tech Univ.), N. Graham

(Hydro. Res. Center), M.E. Mann (Penn State Univ.), Hoerling (NOAA Clim. Dyn. Center), Alexander (NOAA Clim. Dyn. Center)] PSU award (M.E. Mann): $68,065

2006-2007 *Acquisition of high-performance computing cluster for the Penn State Earth System Science Center (ESSC)*, NSF-EAR (Award #0548962) [Principal Investigator: M.E. Mann, Co-Investigators: R. Alley, M. Arthur, J. Evans, D. Pollard (Penn State Univ.)] $100,000

2003-2006 *Decadal Variability in the Tropical Indo-Pacific: Integrating Paleo & Coupled Model Results*, NOAA-Climate Change Data & Detection (CCDD) Program (Award #NA03OAR4310145) [Principal Investigators: M.E. Mann (U.Va), J. Cole (U. Arizona), V. Mehta (CRCES)] U.Va award (M.E. Mann): $102,000

2002-2005 *Reconstruction and Analysis of Patterns of Climate Variability Over the Last One to Two Millennia,* NOAA-Climate Change Data & Detection (CCDD) (Award #NA16GP2913) Program [Principal Investigator: M.E. Mann, Co-Investigators: S. Rutherford, R.S. Bradley, M.K. Hughes] $315,000

2002-2005 *Remote Observations of Ice Sheet Surface Temperature: Toward Multi-Proxy Reconstruction of Antarctic Climate Variability*, NSF-Office of Polar Programs, Antarctic Oceans and Climate System (Award #0125670) [Principal Investigators: M.E. Mann (U. Va), E. Steig (U. Wash.), D. Weinbrenner (U. Wash)] U.Va award (M.E. Mann): $133,000

2002-2003 *Paleoclimatic Reconstructions of the Arctic Oscillation,* NOAA-Cooperative Institute for Arctic Research (CIFAR) Program [Principal Investigators: Rosanne D'Arrigo, Ed Cook (Lamont/Columbia); Co-Investigator: M.E. Mann] U.Va subcontract (M.E. Mann): $14,400

2002-2003 *Global Multidecadal-to-Century-Scale Oscillations During the Last 1000 years,* NOAA-Climate Change Data & Detection (CCDD) Program [Principal Investigator: Malcolm Hughes (Univ. of Arizona); Co-Investigators: M.E. Mann; J. Park (Yale University)] U.Va subcontract (M.E. Mann): $20,775

2001-2003 *Resolving the Scale-wise Sensitivities in the Dynamical Coupling Between Climate and the Biosphere,* University of Virginia-Fund for Excellence in Science and Technology (FEST) [Principal Investigator: J.D. Albertson; Co-Investigators: H. Epstein, M.E. Mann] U.Va internal award: $214,700

2001-2002 *Advancing predictive models of marine sediment transport,* Office of Naval Research [Principal Investigator: P. Wiberg (U.Va), Co-Investigator: M.E. Mann] $20,775

1999-2002 *Multiproxy Climate Reconstruction: Extension in Space and Time, and Model/Data Intercomparison*, NOAA-Earth Systems History (Award #NA96GP0404) [Principal Investigator: M.E. Mann (U.Va), Co-Investigators: R.S. Bradley, M.K. Hughes] $381,647

1998-2000 *Validation of Decadal-to-Multi-century climate predictions,* DOE [Principal Investigator: R.S. Bradley (U. Mass); Co-Investigators: H.F. Diaz, M.E. Mann]

1998-2000 *The changing seasons? Detecting and understanding climatic change*, NSF-Hydrological Science [Principal Investigator U. Lall (U. Utah); Co-investigators: M.E. Mann, B. Rajagopalan, M. Cane] $266,235K

1996-1999 *Patterns of Organized Climatic Variability: Spatio-Temporal Analysis of Globally Distributed Climate Proxy Records and Long-term Model Integrations*, NSF-Earth Systems History [Principal Investigator: R.S. Bradley (U. Mass); Co-Investigators: M.E. Mann, M.K. Hughes] $270,000

1996-1998 *Investigation of Patterns of Organized Large-Scale Climatic Variability During the Last Millennium*, DOE, Alexander Hollaender Postdoctoral Fellowship [M.E. Mann] $78,000

Selected Professional Activities

2026 Chief scientific adviser, *OtterPlanet*™ (*Blue Revolution Games*™)
2025 Co-convener/organizer (w/ R. Ward, H. Mayton, G. Wong, C. Kirchoff)., Session on "Science and Society: Science for Policy", *AGU Fall Meeting*
2025 Invited Science Foo Camp ("Sci Foo") participant, event organized by *Nature*, O'Reilly Media, and Google, Mountain View, CA, Jul 18-20, 2025.
2025 Advisory Council, *Broadway Green Alliance*
2025 Advisory Board, *Stand up for Science*
2024-25 Juror, *Penn Libraries Book Prize in Sustainability*
2024 Co-convener/organizer (w/ X. Li, M. Wehner, Session on "Heat Waves Behind the Scenes: Drivers, Mechanisms, and Impacts", *AGU Fall Meeting*
2024 Co-host (Penn Center for Science, Sustainability and the Media, with the Annenberg Public Policy Center) of the 24th Society of Environmental Journalists (SEJ) annual conference, University of Pennsylvania, Philadelphia PA (Apr 3-7)
2024- Science Advisory Board, *Climate Base Camp*
2023 Co-convener/organizer (w/ X. Li, M. Wehner, Session on "Heat Waves Behind the Scenes: Drivers, Mechanisms, and Impacts", *AGU Fall Meeting*
2023-25 Advisory board, *Outrider Foundation*
2022 Provided testimony to U.S. House of Representatives (Oversight Committee, Environment Subcommittee hearing, Feb 8)
2021 Juror, *CCMC* Climate Communication Award
2021 Provided testimony to Australian Parliament (Senate, Environment and Communications References Committee hearing, Apr 12)
2020- Assistant Editor, *Proceedings of the National Academy of Sciences*
2020-21 Global Future Council on Net-Zero Transition 2020-2021*, World Economic Forum*
2019 Provided testimony to U.S. House of Representatives (Oversight Committee, Environment Subcommittee hearing, Jun 25)
2019-25 Board of Directors, *National Center for Science Education*
2018 Co-convener/organizer (w/ G. Stone and R. Mandel), Session on "Accelerating Rates of Change Forewarn of Catastrophic Impacts", *GSA Annual Meeting*
2018 Co-convener/organizer, Invited session on "Energy Flows in the Climate System", *APS March Meeting*
2018 Chair, Topical Group on Physics of Climate (GPC), *American Physical Society (APS)*
2017- Judge, *Roddenbery Foundation* Fellowship Program
2017-23 Board of Directors, *PennFuture*
2017 Co-convener/organizer (w/ J.M. Byrne, R. Alley), Session on "Climate Solutions: Policy, Planning, Science and Engineering in Uncertain Political and Economic Times", *AGU Fall Meeting*
2017 Provided testimony to U.S. House of Representatives (Science & Technology Committee hearing, Mar 29)
2017 Chair-Elect, Topical Group on Physics of Climate (GPC), *American Physical Society (APS)*
2016- Chair, Scientific Advisory Board, Climate Science Legal Defense Fund (CSLDF)
2016- Editorial Board, Palgrave Series in Environmental Sustainability
2016 Vice Chair, Topical Group on Physics of Climate (GPC), *American Physical Society (APS)*
2015 Invited Science Foo Camp ("Sci Foo") participant, event organized by *Nature*, O'Reilly Media, and Google, GooglePlex, Mountain View, CA, Jun 26-28, 2015.

2015 Co-convener/organizer (w/ S. Hassol), Science Communication Workshop, Global Change Center/Interfaces of Global Change Interdisciplinary Graduate Education Program, Virginia Tech, Blacksburg, VA, Mar 20, 2015.

2015 Co-convener/organizer (w/ D. J. Wuebbles and M. Wehner), Session on "Severe Weather in a Changing Climate: Informing Risk", *AAAS Annual Meeting*, Feb 13, 2015.

2015-21 Committee on Academic Freedom and Tenure, *American Association of University Professors* (AAUP)

2013 Co-convener/organizer (w/ T.S. Ledley, F. Niepold, E. Maibach), Union Session on "Climate Literacy: The Role of the AGU Scientific Community in Climate Change Communication and Engagement", *AGU Fall Meeting*

2013 Co-convener/organizer (w/ J.M. Byrne, S.D. Donner, P.J. Rasch), Session on "Climate Change Adaptation and Mitigation", *AGU Fall Meeting*

2013 Co-convener/organizer (w/ S.D. Donner, J.M. Byrne, P.J. Rasch), Session on "Cutting-Edge Challenges in Climate Change Science", *AGU Fall Meeting*

2013 Co-convener/organizer (w/ J. Evans), Penn State PSIEE/EESI/EMS Workshop "Climate Change and Impacts Downscaling", Bald Eagle State Park, PA, Aug 27-29, 2013.

2012 Co-convener/organizer (w/ G. Stone, S. Riggs, and A. Buddington), Session on "Rapid sea-level rise: past, present and future", *GSA Annual Meeting*

2012-16 Hans Oeschger Medal Committee, European Geophysical Union

2011-12 Expert Reviewer, Working Group I report, *Intergovernmental Panel on Climate Change (IPCC)*, Fifth Assessment Report

2011-12 Co-organizer (w/ G. Schmidt, V. Masson-Delmotte, M. Kageyama, E. Guilyardi, A. Timmermann), Workshop on using paleo-climate model/data comparisons to constrain future projections, *PAGES/CLIVAR*, Honolulu, Hawaii, Mar 1-3, 2012.

2011-15 Member-at-Large of Section W (Atmospheric & Hydrospheric Sciences), *American Association for the Advancement of Science (AAAS)*

2010-11 Editor for series (volumes 1-10): *Confronting Global Warming*, Greenhaven Press, Detriot.

2011 Co-convener/organizer (w/ F. Mekik, S. Mitra, R. Sriver, C. Whitlock, J. Zhu, A. Zimmer), Session on "Using Paleo and Modern Observations to Improve Understanding of Climate Projections, Environmental Change, and Biomass Burning", *AGU Fall Meeting*

2011 Co-convener/organizer (w/ G. Stone, A. Buddington, and M. Chandler), Session on "Extreme Climate and Weather: Past, Present, and Future", *GSA Annual Meeting*

2010 Invited Science Foo Camp ("Sci Foo") participant, event organized by *Nature*, O'Reilly Media, and Google, GooglePlex, Mountain View, CA, July 30-Aug 1, 2010

2010 Co-convener/organizer (w/ G. Stone, A. Buddington), Session on "Exposing Myths and Misrepresentations of Climate Change and Evolution Science", *GSA Annual Meeting*

2009 Co-convener/organizer (w/ G. Stone, A. Buddington), Pardee Keynote Symposium on "Crisis In The Cryosphere", *GSA Annual Meeting*

2009- Guest Editor, *Proceedings of the National Academy of Sciences*

2007-08 Associate Editor, *G-Cubed*, special issue on "Tropical Cyclone-Climate Interactions on All Time Scales"

2007 Co-convener/organizer (w/ P. Jones), IAMAS session on "The Holocene-Anthropocene Transition: From Natural to Human-Dominance of the Earth System", *IUGG* 24th General Assembly

2007-08 Member of steering committee, "post-Earth Systems History" workshop, NSF

2007 Co-convener/organizer (w/ J. Jouzel, P. Jones, W. Dullo), special session `` Climate of the last millennium", 4th General Assembly, *European Geophysical Union*

2006 Co-convener/organizer (w/ K. Emanuel, M. Huber, J. Gulledge, P. Webster), theme session ``Tropical Cyclone-Climate Interactions on All Time Scale", Annual Fall meeting, *American Geophysical Union*

2006 Provided testimony to U.S. House of Representatives (Energy and Commerce Committee hearing, July 27)

2006 Co-chair, Workshop on "Past Millennia Climate Variability", Wengen Switzerland

2006 Co-convener/organizer (w/ J. Jouzel, P. Jones, W. Dullo), special session `` Climate of the last millennium", 3rd General Assembly, *European Geophysical Union*

2005-08 Editorial advisory board, *The Holocene*

2005-06 Expert Reviewer, Working Group I report, *Intergovernmental Panel on Climate Change (IPCC)*, Fourth Assessment Report

2005 Co-convener/organizer (w/ J. D. Gong and Luterbacher), special session ``Explaining the Climates of Historic Times: Detection and Attribution of Anthropogenic Influences'', Biennial Assembly of *IAMAS*

2005 Co-convener/organizer (w/ J. Jouzel, P. Jones, W. Dullo), special session `` Climate of the last millennium", 2nd General Assembly, *European Geophysical Union*

2004 Co-convener/organizer (w/ J. Jouzel, P. Jones, W. Dullo), special session `` Climate of the past millennium", 1st General Assembly, *European Geophysical Union*

2003-04 Member, National Academy of Sciences/National Research Council *Committee on Radiative Forcing Effects on Climate*

2003 Provided testimony to U.S. Senate ('Environment and Public Works' Committee hearing, July 29)

2003 Chair of organizing committee, National Academy of Sciences *Frontiers of Science* symposium

2003 Co-convener/organizer (w/ P. Jones, V. Masson-Delmotte), IAMAS session on `` Climate of the Holocene", *IUGG*

2003 Co-convener/organizer (w/ J. Jouzel, P. Jones, W. Dullo), special session `` Climate of the past millennium", 28th General Assembly, *European Geophysical Society*

2003-05 Advisory board member for *Scientific American* 'Scientific American 50'

2003 Invited Participant, *Workshop on Estimating Climate Sensitivity*, National Academy of Sciences

2003-06 Member of steering committee, NSF Marine Earth Systems History (MESH) Panel

2003-05 Committee on Probability & Statistics, American Meteorological Society

2002-05 IAMAS delegate for U.S./International Commission on Climate (ICCL)

2002 Organizing committee, National Academy of Sciences *Frontiers of Science* symposium

2002 Co-convener/organizer (w/ H. Von Storch, R. Brazdil), theme session ``Understanding the Late Maunder Minimum climate anomaly", Annual Spring meeting, *American Geophysical Union*

2002 Co-convener/organizer (w/ J. Jouzel, P. Jones, W. Dullo), special session `` Climate of the past millennium", 27th General Assembly, *European Geophysical Society*

2001-02 Member, advisory board, *Earth Interactions* (American Geophysical Union)

2001 Chair/Organizer, session on "Climate Change Detection/Attribution", National Academy of Science *Frontiers of Science* annual symposium, Irvine, California, Nov 8-10, 2001.

2001 Organizer and Host, *PAGES/CLIVAR workshop on Reconstructing Late Holocene Climate*, Charlottesville, Virginia, April 17-20, 2001.

2001 Co-convener/organizer (w/ J. Jouzel, P. Jones), special session `` Climate of the past millennium", 26th General Assembly, *European Geophysical Society*

2001 Co-convener/organizer, *NASA /IPRC/ CLIVAR workshop on Decadal Climate Variability*, Manoa, Hawaii, Jan 8-12, 2001.

2000-04 Member of Working Group, *International PAGES/CLIVAR*

2000-04 Panel member, *NOAA Climate Change Data and Detection Program*
2000-02 Editor, *Journal of Climate*
2000 Co-convener (w/ J. Jouzel, P. Jones), special session `` Climate of the past millennium", 25th General Assembly, *European Geophysical Society*
1999 Co-convener/organizer (w/ J. Jouzel), special session ``Data and model studies of climate changes over the last millennium", 24th General Assembly, *European Geophysical Society*
1999 Invited adviser, *NOAA Global Change and Climate Panel*, Boulder, CO
1999 Guest editor, special issue of *Climatic Change*
1999 Co-convener (w/ J. Overpeck), PAGES/CLIVAR workshop on multiproxy climate reconstruction, Boulder, CO
1998-00 Lead author, Chapter 2, *Intergovernmental Panel on Climate Change (IPCC)*, Third Assessment Report
1998-00 Contributing author, Chapters 7,8,12, *Intergovernmental Panel on Climate Change (IPCC)*, Third Assessment Report
1997 Co-convener/organizer (w/ E. Cook, H. Pollack, D. Chapman) , theme session ``Multiproxy Climate Reconstruction…", Annual Fall meeting, *American Geophysical Union*

- Memberships: *American Meteorological Society (Fellow)*; *American Geophysical Union (Fellow)*; *Geological Society of America (Fellow)*; *American Association for the Advancement of Science (Fellow); Committee For Skeptical Inquiry (Fellow); European Geophysical Society*; *American Physical Society; Sigma Xi; American Association of University Professors; Authors Guild*
- Reviewer for: *Nature; Nature Climate Change; Nature Geoscience; Nature Communications; Scientific Reports; Science; PNAS; Geology; Climatic Change; Geophysical Research Letters; Journal of Climate; JGR-Ocean; JGR-Atmospheres; Paleoceanography; Climate Dynamics; Eos; Int. J. Climatol.; Water Resources Research; Holocene; GSA Today; Climate of the Past; Earth and Planetary Science Letters; Global & Planetary Change; Water Resources Research; Atmospheric & Solar-Terrestrial Physics; Climate Research; PLoS Biology; QJRMS; National Research Council/National Academy of Sciences;* IPCC AR5; NSF, NOAA, DOE grant programs; U.S. CCSP; numerous books and/or book chapters.

Public Outreach:

- Popular Media (500-1000 interviews/quotes/cites per year):
  Films & Documentaries: *Canary* (October, 2023); *Greta Thunberg: A Year to Change the World* (BBC; April 2021); *The Road to Change: America's Climate Crisis* (CNN; April 2020); *Climate Change - The Facts* (PBS; April 2020); *Climategate-Science of a Scandal* (BBC; Nov 2019); *Ice on Fire* (HBO; May 2019); *Climate Change - The Facts* (BBC; April 2019); *From Paris to Pittsburgh* (December, 2018); *State of Denial – Fault Lines* (April, 2017*)*; *Bill Nye: Science Guy* (March, 2017); *The Doubt Machine: Inside The Koch Brothers' War on Climate Science* (October, 2016); *Before The Flood* (September, 2016)*, Disobedience* (April, 2016)*, How to Let Go of the World and Love All the Things Climate Can't Change* (January, 2016)*, Normal Is Over* (January, 2016), *Merchants Of Doubt* (March, 2015), *Last Hours* (October, 2013), *Greedy Lying Bastards* (March 2013).
  Television: *CBS Evening News; NBC Evening News; ABC Evening News; CBS Sixty Minutes; ABC This Week with George Stephanopoulos; ABC Nightline; Good Morning America (ABC); Today Show (NBC); CBS Mornings; CBS Saturday Morning; Real Time with Bill Maher (HBO); PBS; PBS News Hour; PBS NOVA; PBS Amanpour and Company; CNN; CNN headline news; CNN (Lou*

Dobbs show); CNN (Campbell Brown Show); CNN (New Day); CNN (New Day Weekend); CNN Special "Global Warning"; CNN Special "All the President's Lies"; CNN International; NBC New York; NBC Washington; NBCLX; MSNBC, MSNBC ("Up with Chris Hayes"), MSNBC ("Morning Joe"), MSNBC ("All In with Chris Hayes"); MSNBC ("Now with Alex Wagner"), MSNBC ("Hardball with Chris Matthews"), MSNBC ("Andrea Mitchell Reports"), MSNBC ("The Jansing Report"), MSNBC ("The Reid Report"); MSNBC ("Weekends with Alex Witt"), MSNBC ("MSNBC Live With Thomas Roberts"); MSNBC ("MSNBC Live With Katy Tur"), MSNBC ("Velshi and Ruhle"), MSNBC ("The Last Word with Lawrence O'Donnell"); MSNBC ("The Medhi Hasan Show"); MSNBC ("Ayman"); MSNBC ("Velshi"); MSNBC/Peacock; CNBC ("The News with Shepard Smith"); ABC Nature's Edge (with Bill Blakemore); PBS ("Charlie Rose Show"); Democracy Now; Years Of Living Dangerously (*Showtime*); *The Weather Channel; The Weather Channel "Weather Gone Viral" series; BBC; BBC World News; BBC Scotland; Channer 4 News (UK); RTE Prim Time (Ireland); Sky News; CBC News; CBC News ("The National"); CBC ("The Hour" with George Stroumboulopoulos); Current TV ("The Young Turks" with Cenk Uygur); Current TV ("The War Room" with Jennifer Granholm); 60 Minutes Australia (Australia); The Project (Australia); ABC (Q&A; Australia); ABC News (Lateline Show; Australia); ABC News (News Breakfast; Australia); Bloomberg Television; RT Network ("The Big Picture with Thom Hartmann"); The Agenda with Steve Paikin (TVO); The Whole Truth with David Eisenhower (WHYY); Full Court Press with Greta Van Susteren (Gray TV); Chedder TV; The Rubin Report; Real Talk with Ryan Jespersen; Al Jazeera English ("Inside Story"); Al Jazeera America ("Inside Story"); RTE News (Ireland); TruTV ("Adam Ruins Everything"); The History Channel, Earth: The Climate Wars; Volatile Earth (TV mini-series, UK); The Research Channel; Accuweather; and numerous other international, national, regional/ and local news program.*

Monthly climate-themed television show (with Michal Nachmany), The Daily Climate Show, *Sky News* (UK), 2021-22

Radio and podcast: *NPR ("Morning Edition", "All Things Considered", "Weekend Edition", "Talk of the Nation"; "Earth and Sky", "Diane Rehm Show", "On Point with Tom Ashbrook"; PRI "To The Point"; PRI "Living On Earth"; PRI "The Takeaway", PRI "The World"; PRI "Marketplace"); Science Friday; Fox News ("Alan Colmes Show"), Michael Smerconish show, Al Franken Podcast, Voice of America; BBC, BBC World Service, BBC HardTalk; BBC Radio 4; RTE News (Ireland); CBC Radio; CBC Radio ("The Current"); CBC Radio ("Quirks & Quarks");ABC News Radio (Australia); Stand Up! With Pete Dominick (Sirius/XM radio), Dan Rather's America (Sirius/XM radio), Majority Report with Sam Seder, Ring of Fire with Robert F. Kennedy Jr., Thom Hartmann show, "Explorations in Science" with Michio Kaku; WCBS, KCBS; WNBC; WAMU (Kojo Nnamdi show); WHYY radio (Radio Times with Marty Moss-Coane); KQED (San Fran); KALW (San Fran); KTRH (Houston); WPSU; Radio PA (Harrisburg), WWL Radio News (New Orleans), WFAE ("Charlotte Talks", Charlotte); On the Green Front with Betsy Rosenberg (Progressive Radio Network); TalkRadio (UK); CLEO "House of Fire" podcast; Year Project "Climate 2020" podcast; The Lancet Voice podcast; ClimaTrends podcast; The Planet Podcast (and numerous others)*

Print (weekly/monthly): *Time, People, Newsweek, Life, US News & World Report, New Republic, The Atlantic, Economist, Rolling Stone, Vanity Fair, Esquire, The New Yorker, Mother Jones, American Prospect, The Nation, Chronicle of Higher Education, Miller-McCune, Macleans (and numerous others)*

Print (weekly/monthly, scientific): *Scientific American, New Scientist, National Geographic, Discover, Science News, Science, Nature, Popular Science, Seed, Cosmos, Geotimes, Weekly Reader ("current science"), Audubon Magazine, Scholastic SuperScience (and numerous others)*

Print (daily): *USA Today, New York Times, New York Times "Science Times", New York Daily News, Washington Post, Wall Street Journal, National Journal, Boston Globe, Los Angeles Times, San Francisco Chronicle, Seattle Times, Houston Chronicle, Chicago Tribune, International Herald Tribune, Philadelphia Inquirer, Pittsburgh Tribune-Review, Pittsburgh Post-Gazette, Miami Herald, Washington Times, Christian Science Monitor; National Post (Canada); London Times (UK), The Guardian (UK), The Independent (UK); Die Welt (Germany), Le Monde (France), Haaretz (Israel), Pravda (Russia) (and numerous others)*
Print (daily, syndicated): *AP, UPI, Reuters, Scripps Howard, Knight Ridder, McClatchy, Ascribe*, *Greenwire*
Online: *Huffington Post, Salon, Slate, Discovery Channel, Time, National Geographic, LiveScience, The Conversation (and numerous others)*
Interactive Online Events: *Guardian live blog; Huffington Post Live; Reddit, Fire Dog Lake; Daily Kos; Allegheny Front*
Theater/Museums/Exhibits: *"Earth Archives: Stories of Human Impact", Penn State Libraries exhibition, Spring/Summer 2022; Rap Guide to Climate Chaos "TalkBack", Soho Playhouse, New York, NY, 5/14/16; Extreme Whether, Theater for the New City, New York, NY, 10/2/14-10/26/14; Museum of Modern Art (New York) exhibit "Design and the Elastic Mind", Fall 2007*
Profiles: *Scientific American*, *Discover, Fortune, New Scientist*, *Mother Jones*, *Wall Street Journal, Audubon Magazine, Harrisburg Patriot-News, Williamsport Guardian, TRT World, The Centre Daily Times, The Tribune-Democrat, The Independent (UK), Le Monde (France), Les Echos (France), Le Point (France), Die Zeit (Germany), Eos (American Geophysical Union), Catalyst (Union of Concerned Scientists Newsletter), Proceedings of the National Academy of Sciences; Penn Today (University of Pennsylvania); The Lion's Roar (Penn State); The Cavalier Daily (UVa); The Daily Collegian (Penn State), Yale Alumni Magazine, Penn Stater (Penn State Alumni Magazine), California Magazine (UC Berkeley Alumni Magazine); The Pennsylvania Gazette (Penn Alumni Magazine), Academic Influence*

- Op-Eds/Commentaries: *The Guardian* (Sep 1 2026); *The Guardian* (Jun 19 2026); *China Daily* (Jun 8 2026); *Bulletin of the Atomic Scientists* (May 22 2026); *Maryland Matters* (May 15 2026); *Virginia Mercury* (May 15 2026); *Bulletin of the Atomic Scientists* (Mar 31 2026); *LiveScience* (Mar 27 2026); *San Francisco Chronicle* (Feb 13 2026); *The Guardian* (Dec 22 2025); *Bulletin of the Atomic Scientists* (Oct 31 2025); *Time Magazine* (Sep 30 2025); *San Francisco Chronicle* (Sep 26 2025); *Time Magazine* (Sep 17 2025); *LiveScience* (Sep 11 2025); *The Boston Globe* (Sep 10 2025); *The Guardian* (Sep 8 2025); *StateCollege.com* (Jun 11 2025); *The Guardian* (May 29 2025); *Philly Science Action Substack* (Apr 22 2025); *The Guardian* (Mar 12 2025); *Los Angeles Times* (Dec 2 2024); *Bulletin of the Atomic Scientists* (Nov 7 2024); *Bulletin of the Atomic Scientists* (Aug 16, 2024); *Focus* (Germany)(Jul 2 2024); *Financial Times* (UK)(May 15 2024); *The Hill* (Mar 26 2024); *New York Times* (Feb 14 2024); *Los Angeles Times* (Dec 11 2023); *LiveScience* (Nov 4, 2023); *Time Magazine* (Nov 20 2023); *The Brilliant* (Nov 8 2023); *The Hill* (Nov 5 2023); *Time Magazine* (Oct 25 2023); *The Hill* (Oct 13 2023); *Rolling Stone* (Oct 8 2023); *Philadelphia Inquirer* (Sep 27 2023); *USA Today* (Sep 27 2023); *Boston Globe* (Sep 25 2023); *Los Angeles Times* (Sep 24 2023); *The Guardian* (Jul 19 2023); *The Independent* (Jun 9 2023); *The Guardian* (Apr 7 2023); *The Hill* (Feb 23 2023); *Time Magazine* (Nov 15 2022); *Los Angeles Times* (Nov 6 2022); *The New Republic* (Oct 12 2022); *Guardian* (Sep 30 2022); *The Hill* (Sep 12 2022); *The Hill* (Jul 22 2022); *The Hill* (Jun 15 2022); *The Guardian* (May 27 2022); *Newsweek* (Apr 29 2022); *Time Magazine* (Apr 12 2022); *Boston Globe* (Apr 4 2022); *Los Angeles Times* (Apr 3 2022); *Everett Herald* (Mar 5 2022); *Fast Company* (Mar 5 2022); *Buffalo News* (Mar 4 2022); *Houston Chronicle* (Mar 1 2022); *New Haven Register* (Mar 1 2022); *Edwardsville Intelligencer* (Mar 1 2022); *Fairfield Citizen* (Mar 1 2022);

Jacksonville Journal-Courier (Mar 1 2022); (Mar 1 2022); *The Conversation* (Mar 1 2022); *Daily Maverick* (Feb 24, 2022); *Washington Post* (Feb 23 2022); *The Hill* (Feb 7 2022); *Boston Globe* (Dec 21 2021); *NBC News Think* (Nov 19, 2021); *Los Angeles Times* (Nov 13, 2021); *Boston Globe* (Nov 9 2021); *Greensboro News & Record* (Nov 6, 2021); *The New Statesman* (Nov 4, 2021); *Pittsburgh Post-Gazette* (Nov 3, 2021); *The Guardian* (Oct 31, 2021); *Los Angeles Times* (Oct 31, 2021); *The Scotsman* (Oct 30, 2021); *The Hill* (Oct 12, 2021); *The Morning Call* (Sep 21, 2021); *The Boston Globe* (Sep 15, 2021); *Lehigh Valley Live* (Sep 12, 2021); *Times Herald* (PA)(Sep 7, 2021); *Pottstown Mercury* (Sep 7, 2021); *Lansdale Reporter* (Sep 7, 2021); *Centre Daily Times* (Sep 5, 2021); *The Portland Press-Herald* (Aug 29, 2021); *The Hill* (Aug 19, 2021); *The Boston Globe* (Aug 16, 2021); *Time Magazine* (Aug 9, 2021); *Time Magazine* (Aug 6, 2021); *The Guardian* (Jul 28, 2021); *The Hill* (Jul 22, 2021); *The Guardian* (Jun 29, 2021); *New York Times* (Jun 29 2021); *Philadelphia Inquirer* (Jun 28 2021); *Newsweek* (Jun 25 2021); *USA Today* (Jun 21 2021); *MarketWatch* (Jun 16 2021); *Scientific American* (Jun 1, 2021); *The Guardian* (Apr 22, 2021); *Newsweek* (Apr 6, 2021); *The Guardian* (Mar 24, 2021); *Newsweek* (Feb 23, 2021); *Crikey* (Feb 8 2021); *The Hill* (Feb 4, 2021); *USA Today* (Feb 2, 2021); *NBC News Think* (Dec 19, 2020); *The Guardian* (Oct 18, 2020); *The Guardian* (Oct 16, 2020); *Newsweek* (Sep 28, 2020); *Newsweek* (Sep 14, 2020); *Newsweek* (Aug 28, 2020); *Newsweek* (Aug 11, 2020); *The Guardian* (Jul 29, 2020); *California Magazine* (Summer 2020); *The Hill* (Jun 1, 2020); *Newsweek* (May 7, 2020); *Newsweek* (Apr 1, 2020); *The Guardian* (Feb 6, 2020); *The Guardian* (Feb 3, 2020); *Newsweek* (Jan 14, 2020); *The Conversation* (Jan 10, 2020); *The Guardian* (Jan 2, 2020); *Newsweek* (Nov 14, 2019); *Tampa Bay Times* (Nov 12, 2019); *Newsweek* (Oct 29, 2019); *Lexington Herald-Leader* (Oct 2, 2019); *Times Higher Education* (Sep 27, 2019); *Newsweek* (Sep 24, 2019); *Time Magazine* (Sep 12, 2019); *The Guardian* (Sep 4, 2019); *Hartford Courant* (Aug 25, 2019); *Spektrum (Germany)*(Jun 19, 2019); *USA Today* (Jun 3, 2019); *Courier-Journal* (May 16, 2019); *Observer-Reporter* (Apr 28, 2019); *Harrisburg Patriot-News* (Mar 25, 2019); *The Guardian* (Mar 20, 2019); *New Zealand Herald* (Mar 5, 2019); *The Observer/Guardian* (Feb 3, 2019); *Newsweek* (Aug 22, 2019); *Newsweek* (Aug 15, 2019); *Newsweek* (Aug 6, 2019); *Newsweek* (Jun 6, 2019); *Newsweek* (May 21, 2019); *Newsweek* (May 10, 2019); *Newsweek* (Apr 24, 2019); *National Geographic* (Apr 22, 2019); *Newsweek* (Apr 5, 2019); *Pittsburgh Tribune-Review* (Mar 29, 2019); *Newsweek* (Mar 28, 2019); *Newsweek* (Apr 5, 2019); *Huffington Post* (Dec 11, 2018); *Politico* (Nov 29, 2018); *Newsweek* (Nov 28, 2018); *Hartford Courant* (Nov 3, 2018); *Washington Post* (Nov 2, 2018); *The Guardian* (Sep 14, 2018); *Virgin Racing* (Aug 6, 2018); *The Hill* (Jun 13, 2018); *Scientific American* (Apr 20, 2018); *New Scientist* (Feb 21, 2018); *New York Times* (Feb 5, 2018); *Climate Reality* (Jan 4, 2018); *The Bend Bulletin* (Jan 2, 2018); *CNN* (Nov 7, 2017); *The Bend Bulletin* (Oct 25, 2017); *The Guardian* (Aug 28, 2017); *Scientific American* (Sep 8, 2017); *Washington Post* (Sep 7, 2017); *Washington Post* (Jul 12, 2017); *Common Dreams* (Jul 10, 2017); *The Colorado Springs Gazette* (Aug 13, 2017); *The San Diego Union-Tribune* (Jul 7, 2017); *The Roanoke Times* (Jun 11, 2017); *Foreign Affairs* (Apr 21, 2017); *Time* (Apr 8, 2017); *New Scientist* (Feb 10, 2017); *Undark Magazine* (Feb 10, 2017); *The Guardian* (Feb 6, 2017); *The Hill* (Jan 31, 2017); Columbia Univ/LDEO *Voices* (Jan 9, 2017); *Centre Daily Times* (Dec 23, 2016); *Washington Post* (Dec 16, 2016); *Le Monde* (Nov 29, 2016); *Alternet* (Oct 14, 2016); *Huffington Post/Ecowatch* (Oct 3, 2016); *Huffington Post/Ecowatch* (Sep 19, 2016); *Washington Post* (Sep 18, 2016); *The Hill* (Sep 14, 2016); *Regina Leader-Post* (Jul 19, 2016); *Huffington Post/Ecowatch* (Jul 15, 2016); *Prescott Daily Courier* (May 28, 2016); *Centre Daily Times* (May 26, 2016); *Huffington Post/Ecowatch/Planet Experts* (Mar 28, 2016); *Columbia Basin Herald* (Mar 24, 2016); *Harrisburg Patriot-News* (Feb 25, 2016); *Knoxville News-Sentinel* (Feb 7, 2016); *LiveScience/Huffington Post* (Jan 25, 2016); *New York Times* (Dec 7, 2015); *The Union* (Oct 10, 2015); *Huffington Post/Ecowatch/Planet Experts* (Dec 23, 2015); *Huffington Post*

(Dec 13, 2015); *The Union* (Sep 23, 2015); *Huffington Post/Ecowatch/Planet Experts* (Sep 21, 2015); *Huffington Post/Ecowatch* (Sep 11, 2015); *The Guardian* (Aug 11, 2015); *Ecowatch* (Jun 5, 2015), *Australian Broadcasting Corporation* (Apr 8, 2015), *Huffington Post/Planet Experts/Ecowatch* (Feb 26, 2015); *The Guardian* (Jan 31, 2015); *EcoWatch* (Jan 30, 2015); *Providence Journal* (Dec 11, 2014)*); Huffington Post/Ecowatch* (Dec 8, 2014); *Philadelphia Inquirer* (Dec 5, 2014); *The Conversation* (Oct 21, 2014); *Huffington Post* (Oct 17, 2014); *Huffington Post* (Oct 10, 2014); *Huffington Post/EcoWatch* (Oct 3, 2014); *Huffington Post/EcoWatch* (Sep 19, 2014); *Huffington Post/EcoWatch* (Aug 7, 2014); *Ecowatch* (Aug 6, 2014); *Allentown Morning Call* (Jul 30, 2014); *Huffington Post* (Jun 9, 2014); *Huffington Post* (May 18, 2014); *The Guardian* (May 6, 2014); *EcoWatch* (Mar 27, 2014); *Centre Daily Times* (Mar 20, 2014); *LiveScience* (Feb 25, 2014); *The Pittsburgh Post-Gazette* (Feb 23, 2014)*; Mark News* (Feb 21, 2014); *Huffington Post* (Feb 9, 2014); *New York Times* (Jan 19, 2014); *The Virginian-Pilot* (Jan 8, 2014); *Scranton Times-Tribune* (Dec 20, 2013); *Huffington Post* (Nov 21, 2013); *EcoWatch* (Nov 16, 2013); *Huffington Post* (Oct 31, 2013); *The Guardian* (Sep 28, 2013); *Australian Broadcasting Corporation* (Sep 27, 2013); *Huffington Post* (Sep 27, 2013); *LiveScience* (Sep 26, 2013); *Richmond Times-Dispatch* (Aug 24, 2013)*; Centre Daily Times* (Jun 27, 2013), *Harrisburg Patriot-News* (Jun 13, 2013); *Huffington Post* (May 13, 2013); *The Scientist* (Mar 27, 2013); *Australian Broadcasting Corporation* (Apr 12, 2013); *Huffington Post* (Feb 4, 2013); *Popular Science* (Dec 12, 2012); *Huffington Post* (Sep 24, 2012); *Pittsburgh Post-Gazette* (Sep 12, 2012); *Australian Broadcasting Corporation* (Aug 7, 2012); *The Mark News* (April 20, 2012); *The Daily Climate* (Aug 6, 2012); *The Vancouver Sun* (June 7, 2012); *World Financial Review* (May/June, 2012); *The Reporter* (May 14, 2012); *The Helsinki Times* (May 9, 2012); *The Trentonian* (April 13, 2012); *CNN* (March 28, 2012); *Orange Country Register* (Mar 16, 2012); *BBC Knowledge* (Feb 2012)*; BBC Focus* (Dec 2011)*; Politico* (Mar 8, 2011); *New Scientist* (Nov 2, 2010); *Milwaukee Journal Sentinel* (Oct 9, 2010)*; Washington Post* (Oct 8, 2010); *Minneapolis Star-Tribune* (Jul 29, 2010); *Voices of Central Pennsylvania* (Feb 2010); *Washington Post* (Dec 18, 2009; reprinted in *Miami Herald 12/19/09*, *Salt Lake Tribune 12/18/09*, and *Monterey Herald 12/21/09*); *Harrisburg Patriot-News* (Feb 11, 2007); *St Louis Post-Dispatch* (Feb 23, 2006); *The Press* (NJ; Feb 7, 2006)*; Roanoke Times* (Feb 7, 2006); *Middleton Times-Herald* (NY; Feb 7, 2006); *Akron Beacon Journal* (Feb 6, 2006); *Anniston Star* (AL; Feb 5, 2006); *Newark Star-Ledger* (Feb 5, 2006); *Salt Lake Tribune* (Feb 3, 2006); *Post Standard* (NY; Feb 2, 2006); *Providence Journal* (Oct 3, 2003); *Seattle News-Tribune* (Aug 10, 2003)

- Letters published: *Le Soir* (Dec 5 2023); *Wall Street Journal* (Aug 6 2023); *New York Times* (Oct 16 2021); *Wall Street Journal* (Aug 17 2021); *The Guardian* (Nov 13 2020); *The Boston Globe* (Mar 18 2020); *The Eagle-Tribune* (Nov 30 2019); *The Aspen Times* (Jul 2 2019); *The Guardian* (Apr 3 2019); *Centre Daily Times* (Sep 9, 2018); *The Daily Item* (Aug 24, 2018); *StateCollege.com* (Aug 20, 2018); *Wall Street Journal* (May 22, 2018); *Asheville Citizen-Times* (Jan 16, 2018); *Transylvania Times* (Jan 15, 2018); *San Luis Obispo New Times* (Aug 10, 2017); *New Times Findlay Courier* (Jun 20, 2017); *Curry Pilot* (Jun 14, 2017); *New Haven Register* (Apr 12, 2017); *Litchfield County Times* (Apr 12, 2017); *Santa Clarita Valley Signal* (Apr 11, 2017); *Del Mar Times* (Feb 23, 2017); *Trentonian/Pottsdown Mercury* (Feb 1, 2017); *Los Angeles Times* (Jan 19, 2017); *Des Moines Register* (Dec 23, 2016); *Manchester Union Leader* (Nov 23, 2016); *Sun Community News* (Jul 1, 2016); *St. Albert Gazette* (Jun 29, 2016); *Times-News* (May 3, 2016); *Centre Daily Times* (May 2, 2016); *Conway Daily Sun* (Apr 29, 2016); *Lakeland Times* (Jan 8, 2016)*; Crossville Chronicle* (Jan 6, 2016)*; Lakeland Times* (Dec 18, 2015)*; Lakeland Times* (May 22, 2015)*; St John's Telegram* (Apr 17, 2015)*; Waterbury Republican-American* (Sep 14, 2014)*; Louisville Courier-Journal* (Jan 21, 2014)*; Richmond Times-Dispatch* (Aug 5, 2013)*; Bismarck Tribune* (Sep 15, 2012); *The Garden*

Island (Sep 14, 2012); *U-T San Diego* (Aug 30, 2012); *Wall Street Journal* (Mar 22, 2012); *Pittsburgh Post-Gazette* (Feb 28, 2012); *The Australian* (Feb 3, 2012); *Wall Street Journal* (Feb 1, 2012); *Wall Street Journal* (Dec 5, 2011); *Scientific American* (Oct 2011); *Newsweek* (Mar 15, 2010); *Wall Street Journal* (July 15, 2010); *Wall Street Journal* (Dec 31, 2009); *Washington Post* (Dec 1, 2009); *Harrisburg Patriot-News* (Oct 18, 2009); *New York Times* (Mar 20, 2007) (and several others).

- Book Reviews: "Summer Reading: Michael Mann" *[multiple books]* (Omnia magazine*,* May 30, 2023); "Thirty books to help us understand the world in 2020; Michael E. Mann on the environment" *[multiple books]* (The Guardian, Oct 18, 2020); *On Fire* by Naomi Klein (Nature, Sep 18 2019); *The Demon-Haunted World* by Carl Sagan (Nature, Aug 3, 2017); *Atmosphere of Hope* by Tim Flannery (Los Angeles Review of Books, Oct 6, 2015); *Agenda 21* by Glenn Beck (Popular Science, Dec 12, 2012); *Language Intelligence* by Joe Romm (RealClimate, Aug 20, 2012); Climate Cover Up by James Hoggan and Richard Littlemore (RealClimate, Oct 20, 2009); *Unscientific America* by Chris Mooney and Sheril Kirshenbaum (RealClimate, Jul 8, 2009); *Storm World* by Chris Mooney (RealClimate, Jun 8, 2007); *Paleoclimate, Global Change, and the Future* by Ray Bradley (*Eos*, Oct 7, 2003)
- Review quotes (books): *Saving the Planet One Step at a Time* by Desiree Izecksohn (2025); *What Teachers Want to Know About Teaching Climate Change: An Educator's Guide to Nurturing Hope and Resilience (Grades K-12)* by Bertha Vazquez, Kimi Waite, Lauren Madden (2025); *A Billion Butterflies* by Jagadish Shukla (2025); *Integrated Management: How Sustainability Creates Value within Any Enterprise* (2nd edition) by Robert Sroufe (2025); *The Carbon Tax Question* by Tom Pedersen (2025); *Carbon: The Book of Life* by Paul Hawken (2025); *When the Ice Is Gone: What a Greenland Ice Core Reveals About Earth's Tumultuous History and Perilous Future* by Paul Bierman (2024); *Love the Foods That Love the Planet* by Cathy Katin-Grazzini (2024); *The Future of Energy* by Richard Black (2024); *Birds & Flowers – An Intimate 50 Million Year Relationship* by Jeff Ollerton (2024); *Reap The Wind* by Joel Burcat (2024); *Melted Away: A Memoir of Climate Change and Caregiving in Peru* by Barbara Drake-Vera (2024); *Trump Likes it Hot: Climate Change Denial* by Gail McCormick (2024); *The Air They Breathe* by Debra Hendrickson (2024); *Climate Denial in American Politics* by Gerald Kutney (2023); *Solving the Climate Crisis* by John L. Berger (2023); *Computing the Climate* by Steve Easterbrook (2023); *The Heat Will Kill You First* by Jeff Goodell (2023); *Climate Travels* by Mike Gunter (2023); *Solving Climate Change* by Jonathan Koomey and Ian Monroe (2023); *No Miracles Needed* by Mark Jacobson (2023); *Life: A Journey through Science and Politics* by Paul R. Ehrlich (2023); *The Deluge* by Stephen Markley (2023); *Surviving the Climate Crisis* by Stephen Turton (2022); *Climate Crisis Chronicles* by Ethan Sacks (2022); *Elderflora* by Jared Farmer (2022); *Humanity's Moment* by Joelle Gergis (2022); *The Carbon Almanac* by Seth Godin (2022); *The Vortex* by Scott Carney and Jason Miklian (2022); *Horizon Work: At the Edges of Knowledge in an Age of Runaway Climate Change* by Adriana Petryna (2022); *Turn the Tide on Climate Anxiety* by Megan Kennedy-Woodward and Patrick Kennedy-Williams (2022); *Climate Change in Human History* (2nd edition) edited by Benjamin Lieberman and Elizabeth Gordon (2022); *The Changing Flow of Energy through the Climate System* by Kevin Trenberth (2022); *I Bugiardi del Clima* ("*Climate Liars*") by Stella Levantesi (2021); *Race For Tomorrow* by Simon Mundy (2021); *Regeneration, Ending the Climate Crisis in One Generation* by Paul Hawken (2021); *World-Whizzing Facts* by Emily Grossman (2021); *Is AI Good for the Planet?* By Benedetta Brevini (2021); *Introduction to Modern Climate Change (3rd edition)* by Andrew Dessler (2021); *For Small Creatures Such as We* by Sasha Sagan (2021); *Climate Chaos* by Brian Fagan and Nadia Durrani (2021); *Our Sunburnt Country* by Anika Molesworth (2021); *How to Win Support for Climate Action* by Eric Schwartzman (2021); *Ms. Adventure* by Jess

Phoenix (2021); *Drought, Flood, Fire: How Climate Change Contributes to Recent Catastrophes* by Chris Funk (2021); *Around the World in 80 Plants* by Jonathan Drori (2021); *Resetting the Future: What If Solving the Climate Crisis Is Simple* by Tom Bowman (2021); *The Loneliest Polar Bear* by Kale Williams (2021); *Crude A Memoir* by Pablo Fajardo, Sophie Tardy-Joubert, Illustrated by Damien Roudeau, and translated by Hannah Chute (2021); *How to Spend a Million Dollars* by Rowan Hooper (2021); *Riders on the Storm* by Alistair McIntosh (2020); *Investing to Save the Planet* by Alice Ross (2020); *100% Clean, Renewable Energy and Storage for Everything* by Marc Jacobson (2020); *Youth to Power* by Jaime Margolin (2020)*; How Are We Going to Explain This?: Our Future on a Hot Earth* by Jelmer Mommers (2020); *Cranky Uncle: Cranky Uncle vs. Climate Change: How to Understand and Respond to Climate Science Deniers* by John Cook (2020)*; The Triumph of Doubt* by David Michaels (2020); *Mississippi River: Headwaters and Heartland to Delta and Gulf* by David Freese and Simon Winchester (2020); *How to Talk to Your Kids About Climate Change* by Harriet Shugarman (2020); *The Future We Choose: Surviving the Climate Crisis* by Christiana Figueres and Tom Rivett-Carnac (2020); *The Weathermaker* by Glenn Schwartz (2020); *The Triumph of Doubt* by David Michaels (2020); *The Citizen's Guide to Climate Success* by Mark Jaccard (2019); *The Climate Crisis and Corrupt Politics* by Larry Schweiger (2019); *Watershed* by H.N. Deeb (2019); *Irma Was Here* by Diandra Jone (2019); *Why Trust Science* by Naomi Oreskes (2019); *From What Is to What If* by Rob Hopkins (2019); *The Future of Academic Freedom* by Henry Reichman (2019); *Renewable Energy: A Primer for the Twenty-First Century* by Bruce Usher (2019); *Sudden Spring: Stories of Adaptation in a Climate-Changed South* by Rick Van Noy (2019); *The World of Thermo* by Guy Walton (2018); *The Memory We Could Be: Overcoming Fear to Create Our Ecological Future* by Daniel Macmillen Voskoboynik (2018); *The Universe as It Really Is: Earth, Space, Matter, and Time* by Thomas R. Scott and James Powell (2018); *A New Reality: Human Evolution for a Sustainable Future by* Dr. Jonas Salk and Jonathan Salk (2018); *The Drawdown Agenda* (podcast, 2018); *The Skeptics Guide to the Universe* by Steven Novella (2018); *Climate Change in Human History* by Benjamin Lieberman and Elizabeth Gordon (2018); *Negan the Stardust* by K.C. Land (2017); *Tales of an Ecotourist* by Mike Gunter Jr. (2017); *Everything All at Once* by Bill Nye (2017), *The Climate Majority* by Leo Barasi (2017); *Being The Change* by Peter Kalmus (2017); *Not A Scientist* by Dave Levitan (2017); *Gaia and the Golden Toad* by Joan Muller (2016); *The Cure for Catastrophe* by Robert Muir-Wood (2016); *War On Science* by Shawn Otto (2016); *The Truthful Art* by Alberto Cairo (2016); *How The World Breaks* by Stan and Paul Cox (2016); *When The Wind Blows* by Stacy Clark (2015); *Harnessing Science to Change the World* by Bill Nye (2015); *Climate Change and Society: Sociological Perspectives* by Riley E. Dunlap and Robert J. Brulle (2015); *Climate Change, Capitalism and Corporations: Processes of Creative Self-destruction* by Christopher Wright and Daniel Nyberg (2015); *Please Don't Paint Our Planet Pink* by Gregg Kleiner and Laurel Thompson (2015); *Your Life as Planet Earth* by Howard Lee (2014); *Virginia Climate Fever* by Stephen Nash (2014)*; Climate Peril* by John J. Berger (2014); *The Big Pivot* by Andrew Winston (2014); *The Collapse of Western Civilization: A View from the Future* by Naomi Oreskes and Erik Conway (2014); *Fore and the Future of Practically Everything* by Richard L. Handy (2013); *Banned on the Hill* by Franke James (2013); *The Zero Footprint Baby* by Keya Chatterjee (2013); *The Year of the Bad Decision* by Charles Sobczak (2013); *Rising Seas: Past, Present, Future* by Vivien Gornitz (2013); *Rising Sea Levels: An Introduction to Cause and Impact* by Hunt Janin and Scott A. Mandia (2013); *Overheated* by Andrew Guzman (2013); *The Aviator* by Gareth Renowden (2012); *Snowcial: An Antarctic Social Network Story* by Chelsea Prince (2012); *Navigating The Perfect Moral Storm: Climate Ethics* by Donald Brown (2012); *The Evolution of Everything* by Mark Sumner; *Storm World* by Chris Mooney (2008); *Climate Change: What it*

Means for Us, Our Children, and Our Grandchildren", edited by Joseph Dimento and Pamela Doughman (2007)

- Review quotes (other): *The Race to Save The world* (film, 2021); *'Atmos Totnes' transition city project* by Rob Hopkins (2021)*; The Sustainability Agenda podcast* by Fergal Byrne (2021)*; Changing the Digital Climate: How Climate Change Web Content is Being Censored Under the Trump Administration* by The Environmental Data & Governance Initiative (EDGI) (report, 2018); *Being The Change* (film, 2017); *A Burning Question* (film, 2012)
- Press Conferences/Briefings: Climate Power (8/6/25); Tyler Prize/University of Southern California (10/18/24); Université catholique de Louvain (4/28/22); Climate Power (12/21/21); Democratic Party of Virginia (10/8/21); American Physical Society (3/17/21); American Geophysical Union (12/12/17); American Association for the Advancement of Science (2/13/15); Healthy Environment Alliance of Utah (5/14/14); PennEnvironment (6/5/13); Truman National Security Project, PennFuture, Mid-Atlantic Renewable Energy Coalition & selected members of the Pennsylvania General Assembly (1/14/13); European Geophysical Union (4/26/12); Prism Public Affairs (11/18/10); PennEnvironment (9/8/10); National Wildlife Federation (8/25/10); American Geophysical Union (12/17/09); Resource Media (11/24/09); National Science Foundation (8/11/09); European Geophysical Union (4/23/09); American Geophysical Union (5/30/02)
- Guest contributor to: *One Degree* (The Weather Channel); *Seed Magazine*; *Climate One* (The Commonwealth Club), *The Weather Underground*, *Climate Reality*
- Co-founder and contributor, climate science website "*RealClimate.org*" (founded 12/04)
- Miscellaneous advisory boards/editorial boards/councils*: Accountability Journalism Institute* 2025-; *Penn Water Center* 2025-; *Earth Observatory of Singapore* 2024-25; *The Brilliant,* 2023-; *Subnational Climate Finance Initiative (SCF)*, 2022-; *Food Tank*, 2022-, *OnePointFive Climate Pledge*, 2022-, "*Don't Look Up" outreach project (Netflix)*, 2021-; *Climate Power, 2021-, Commonwealth of Pennsylvania Climate Leadership Academy*, 2021-, *EcoAthletes*, 2019-, *Science Debate*, 2019-, *One Earth*, 2018-, *End Climate Silence*, 2018-, *Cover Climate*, Public Citizen, 2018-, *Climate Action Platform*, 2018-, *Climate Leadership Engagement Opportunities* (CLEO), 2018-, Virgin Racing/Richard Branson's *Race Against Climate Change*, 2017-20, *Being The Change* film, 2017-18, *RENEW* Institute, SUNY-Buffalo, 2017-18, *Tidewater Security Project*, 2016-18, *ClimateTruth.org*, 2015-17, *Planet Experts*, 2014, *California Climate Breakthrough Initiative*, 2014-17, *National Center for Science Education* (NCSE), 2014-19, *314PAC* 2014-15, *Climate Accountability Institute*, 2014-, Climate Hawks Vote PAC, 2013-14, *Climate Communication*, 2011-, *Polar Bears International*, 2010-12, *Climate Change Communication Network,* 2010-15, *OurEarth.org*, 2008-12, *1Sky*, 2008-11, *Climate Solutions Project*, *Bowman Group*, 2007-10
- Consultant, Chasing Carbon Zero (PBS/NOVA), 2023
- Consultant, *The End is Nye* (NBC Studios), 2021-22
- Secretary of Science and Environment, "Shadowing Trump" shadow cabinet, 2017-21
- Climate Advisory Committee, Hillary Clinton Presidential Campaign, 2016
- Science Advisor for film *Bill Nye: Science Guy*, 2015-17
- Virginia Governor's Climate Change and Resiliency Commission, 2014-15
- Senior Science Advisor for *Green World Rising* (Leonardo DiCaprio Foundation), 2014-15
- Adviser, Project Drawdown, 2014-16
- Ambassador, *#OnEarth* campaign, European Development Days, 2021-22
- Science Advisor for Showtime series, *Years of Living Dangerously*, 2013-15
- Advisory Committee, "CLUES" (museum/community partnership of the *Franklin Institute Science Museum*, Phila. PA), 2009

- Adviser to California Attorney General/Governor Jerry Brown, 2007-18
- Our findings (Kemp et al, 2011) cited in "State of the Union" address by President Barack Obama (Jan 20, 2015).
- Our findings (Mann et al 1999) cited in "State of the Union" address by President William Clinton (Jan 27, 2000).
- Advisor to numerous other policy makers, public policy experts, opinion leaders, governmental and non-governmental organizations (1999-)
- Online Course on *Climate Science*, United Nations Sustainable Development Solutions Network (SDSN) SDG Academy/EdX (beginning Fall 2019)

Books:

- **Mann, M.E.** and Hotez, P.J., *Science Under Siege: How to Fight the Five Most Powerful Forces that Threaten Our World***,** Public Affairs/Hachette /Scribe Books, 368 pp, 2025. published translations: Portuguese, Polish).
- **Mann, M.E.**, *Our Fragile Moment: How Lessons from the Earth's Past Can Help Us Survive the Climate Crisis,* Public Affairs/Hachette (U.S.)/ Scribe Publications (Australia/New Zealand/UK), 320 pp, 2023 (published translations: Chinese, Vietnamese, Japanese).
- **Mann, M.E.**, *The New Climate War: The Fight to Take Back Our Planet* (paperback edition with new epilogue), Public Affairs/Hachette, 400 pp, 2022.
- Herbert, M. and **Mann, M.E.**, *The Tantrum That Saved the World* (2nd edition), North Atlantic Books/Penguin Random House, 64 pp, 2022.
- **Mann, M.E.**, *The New Climate War: The Fight to Take Back Our Planet*, Public Affairs/Hachette (U.S.) / Scribe Publications (Australia/New Zealand/UK), 368 pp, 2021 (published translations: German, Italian, Polish, Ukraine, Czech, Chinese, Vietnamese, Korean, Turkish).
- **Mann, M.E.** and Toles, T., *The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*, Columbia University Press (paperback edition with additional chapter), 240 pp, 2018.
- Herbert, M. and **Mann, M.E.**, *The Tantrum That Saved The World*, World Saving Books, 34 pp, 2018 (published translations: Italian, Korean, Turkish).
- **Mann, M.E.** and Toles, T., *The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*, Columbia University Press, 208 pp, 2016 (published translations: Italian, German).
- **Mann, M.E.** and Kump, L.R., *Dire Predictions: Understanding Climate Change* (2nd edition with new title), Pearson/DK, 224 pp, 2015.
- **Mann, M.E.**, *The Hockey Stick and the Climate Wars: Dispatches From the Front Lines* (paperback edition with new foreword and additional chapter), Columbia University Press, 423 pp, 2013.
- **Mann, M.E**., *The Hockey Stick and the Climate Wars: Dispatches From the Front Lines*, Columbia University Press, 352 pp, 2012 (published translations: Japanese).
- **Mann, M.E.** and Kump, L.R., *Dire Predictions: Understanding Global Warming*, Pearson/DK, 208 pp, 2008.

Refereed Journal Articles:

cited articles = 260, citations=31345, h-index = 80 (ISI);

https://www.webofscience.com/wos/author/record/B-8472-2017

cited articles = 599, citations=59750, h-index = 108 (Google Scholar); https://scholar.google.com/citations?user=KrRw4RIAAAAJ

- Ripple, W.J., Wolf, C., **Mann, M.E.,** Rockström, J., Pascual, U., Gregg, J.W., Xu, C., Perkins-Kirkpatrick, S.E., Newsome, T.M., Bukaski, J., Prakash, A., The 2026 state of the climate report: Challenges and Opportunities, *BioScience*, biag125, doi.org/10.1093/biosci/biag125 (in press).
- Chen, K., Liu, Z., Ning, L., Lui, J., Lei, L., **Mann, M.E.**, Yan, M., Sun, W., Sun, H., Hu, W., Peng, G., Bao, Y., Quin, Y., Xing, F., Li, L., Du, J., Wen, K., Volcanic Eruptions Caused Weakening AMOC During the Preindustrial Past Millennium, *Nature Communications*, 17, 8420, doi.org/10.1038/s41467-026-74873-5, 2026.
- Xing, F., Ning, L., Liu, Z., Liu, J., **Mann, M.E.**, Wu, F., Lei, L., Wang, Y., Wan, L., Jia, X., Xu, H., Tan, L, Yan, M., Sun, W., Chen, D., Lu, H., Wen, Q., Chen, K., Qin, Y., Precipitation Reconstruction in the Asian Monsoon Region During the 4.2kaBP Event with Paleoclimate Data Assimilation, *J. Geophys. Res*., e2025JD045745, doi.org//10.1029/2025JD045745, 2026.
- **Mann, M.E.**, Steinman, B.A., Fernandez, A., Christiansen, S.A., Li, X., 2024 Global Temperature Record Is Consistent with Model-Predicted Warming, *Proc. Nat. Acad. Sci.*, 123, e2600021123, doi.org/10.1073/pnas. 2600021123, 2026.
- Xuan, D., Hsieh, M.A., Pongeluppe, L.S., Weaver, M.M., **Mann, M.E.**, Jerolmack, D.J., Ulloa, H.N., Climate extremes and urbanization drive flood tipping points at the city–river interface, *npj Naural.Hazards*, 3, 20, doi.org/10.1038/s44304-026-00186-8, 2026.
- Ning, L, Fangmiao,X., Lui, Z., Liu, J., Qin, Y., Wen, Q., **Mann, M.E.**, Yu, Y., Wang, Y., Yan, M., Lu, H., Cao, N., Chen, K., Sun, W., Holocene Hydroclimatic Variations Over Western and Central Asia as Inferred From Speleothem Isotope Evidence, *Journal of Geophysical Research: Atmospheres*, 131, e2025JD045672, doi.org/10.1029/2025JD045672, 2026.
- Pan Y., Cheng, L., Abraham, J., Trenberth, K.E., Reagan, J., Wang, Z., Storto, A., von Schuckmann, K., Zhu, Y., **Mann, M.E.**, Zhu, J., Wang, F., Yu, F., Locarnini, R., Fasullo, J., Huang, B., Graham, G., Yin, X, Gouretski, V., Zheng, F.,. Li, B., Zhang, B., Wan, L., Chen, X., Wang, D., Feng, F., Song, X., Liu, Y., Reseghetti, F., Simoncelli, S., Chen, G., Zhang, R., Mishonov, A., Wei, W., Tan, Z., Li, G., Cao, L, Chen, L., Du, J., Yuan, H., Lyu, K., Sulaiman, A., Mayer, M., Wang, H., Ma, Z., Bao, S., Yan, H., Liu, Z., Yang, C., Liu, X., Hausfather, Z., Gues, F., Song, X., Zhang, M., Chen, L., Ocean Heat Content Sets Another Record in 2025, *Advances in Atmospheric Sciences*, doi.org/10.1007/s00376-026-5876-0, 2026.
- Weaver, M.M., Garner, A.J., Samanta, D., **Mann, M.E.**, Horton, B.P., Seasonal Variations of Tropical Cyclone Genesis and Landfall Patterns Impacting Southeast Asia in a Warmer Climate, *Commun. Earth Environ.*, doi.org/10.1038/s43247-025-02566-w, 2025.
- Ripple, W.J., Wolf, C., **Mann, M.E.,** Rockström, J., Gregg, J.W., Xu, C., Perkins-Kirkpatrick, S.E., Schaeffer, R., Broadgate, W.J., Newsome, T.M., Shuckburgh, E., Gleick, P., The 2025 state of the climate report: A Planet on the Brink, *BioScience*, biaf149, doi.org/10.1093/biosci/biaf149, 2025.
- Hong, Z., Long, D., Shan, K., Zhang, J-M, Woolway, R., Liu, M., **Mann, M.E.**, Fang, H., Declining ocean greenness and phytoplankton blooms in low to mid-latitudes under a warming climate, *Sci. Adv.*, 11, eadx4857, doi.org/10.1126/sciadv.adx4857, 2025.
- Cheng, L., Li, G., Long, S.-M., Li, Y., von Shuckmann, K., Trenberth, K.E., **Mann, M.E.**, Abraham, J., Du, Y., Cheng, X., Liu, H., Xu, Z., Liu, M., Peng, Q., Gong, X., Ma, Z., Yuan, H., Ocean

Stratification in a Warming Climate, *Nat Rev Earth Environ*., doi.org/10.1038/s43017-025-00715-5, 2025.

- Zhang, D., Ma, Z., Cheng, L., Lin, Y., Xu, F., Zhang, Z., Zheng, Y., Fei, J., **Mann, M.E.**, Oceanic memory of tropical cyclones moderates the Kuroshio current, *Nature Communications*, 16, 6890, doi.org/10.1038/s41467-025-62239-2, 2025.
- Ning, L., Xing, F., Liu, Z., Liu, J., **Mann, M.E.**, Wu, F., Lei, L., Wang, Y., Wan, L., Xu, H., Tan, L., Bradley, R.S., Yan, M., Sun, W., Chen, D., Lu, H., Wen, Q., Chen, K., Qin, Y., Mega-Tripolar Precipitation Change Accompanying Water Isotopes in Holocene Asian Summer Monsoon Reanalysis, *Geophys. Res. Lett*. 52, e2025GL116451m, doi.org/10.1029/2025GL116451, 2025.
- Chen, K., Li, X., Weaver, M.M., Christiansen, S.A., Horton, A.L., **Mann, M.E.**, The intensification of the strongest nor'easters, *Proc. Nat. Acad. Sci.*, 122, e2510029122, doi.org/10.1073/pnas.2510029122, 2025.
- Ning, L., Liu, Z., **Mann, M.E.,** Liu, J., Yan, M., Sun, W., Chen, K., Qin, Y., Wen, Q., Decadal Climate Variability during the Pre-Industrial Common Era: Characteristics and Mechanisms, *Science Bulletin*, 70, p. 2190-2203, doi.org /10.1016/j.scib.2025.04.056, 2025.
- Wesley, D., **Mann, M.E.**, Jain, B., Twomey, C.R., Christiansen, S., Modeling North Atlantic tropical cyclone counts directly from sea surface temperature maps, *Geophys. Res. Lett.*, e2025GL115213, doi.org/10.1029/2025GL115213, 2025.
- Li, X., **Mann, M.E.,** Wehner, M.F., Christiansen, S., Increased frequency of planetary wave resonance events over the past half-century, *Proc. Nat. Acad. Sci.* 122, e2504482122, doi.org/10.1073/pnas.2504482122, 2025.
- Carrillo, J., **Mann, M.E.**, Marinov, I., Christiansen, S., Willeit, M., Ganopolski, A, Sensitivity of Simulations of Plio-Pleistocene Climate with the CLIMBER-2 Earth System Model to Details of the Global Carbon Cycle, *Proc. Nat. Acad. Sci*. 122, e2427236122, doi.org/10.1073/pnas.2427236122, 2025.
- Fernandez, A., Steinman, B.A., **Mann, M.E.**, Christiansen, S.A., Multidecadal Temperature Variability in the Community Earth System Model Last Millennium Ensemble, *Geophys. Res. Lett.*, 52, e2024GL11339, doi.org/10.1029/2024GL113393, 2025.
- Brasseur, G.P., Stammer, D., Friedlingstein, P., Hegerl, G.C., Shaw, T., Trenberth, K., Vera, C., Berger, A., Cleugh, H., Easterbrook, S., Edwards, P**., Mann, M.E.,** Masson-Delmotte, V., Richter, J.H., Schmidt, G.A., Scholes, M., Stocker, T.F., Visbeck, M., Wu, G., Climate Science for 2050, *Frontiers in Climate*, 7, doi: 10.3389/fclim.2025.1554685, 2025.
- Sinclair, A.H., Cosme, D., Lydic, K., Reinero, D.A., Carreras-Tartak, J., **Mann, M.E.**, Falk, E.B., Behavioral Interventions Motivate Action to Address Climate Change, *Proc. Nat. Acad. Sci.,* 122, e2426768122, doi.org/10.1073/pnas.2426768122, 2025.
- Yao, X., Ying Qu, Mishra, A.K., **Mann, M.E.**, Zhang, L., Bai, C., Li, M., Lin, J., Wei, J., Yu, Q., Ding, R., Wang, Y., Zhang, L, Yang, J., Tao, J., Liu, S., Wang, Q., Elderly vulnerability to temperature-related mortality risks in China, *Science Advances,* 11*,* eado5499*,* doi:10.1126/sciadv.ado5499, 2025.
- Cheng, L., Abraham, J.P., Trenberth, K.E., Reagan, J., Zhang, H-M, Storto, A., Von Schuckmann, K., Pan, Y., Zhu, Y., **Mann, M.E.**, Zhu, J., Wang, F., Yu, F., Locarnini, R., Fasullo, J., Huang, B., Graham, G., Yin, X., Gouretski, V., Zheng, F., Li, Y., Zhang, B., Wan, L., Chen, X., Wang, D., Feng, L., Song, X., Liu, Y., Reseghetti, F., Simoncelli, S., Chen, G., Zheng, R., Mishonov, A., Tan, Z., Wei, W., Yuan, H., Li, G., Ren, Q., Cao, L., Lu, Y., Du, J., Lyu, K., Sulaiman, K., Mayer, M., Wang, H., Ma, Z., Bao, S., Yan, H., Liu, Z., Yang, C., Liu, X., Hausfather, Z., Szekely, T., Gues, F., Record

high temperatures in the ocean in 2024, *Advances in Atmospheric Sciences,* 10.1007/s00376-025-4541-3, 2025.

- Day, J., Anthony, A,.Costanza, R., Edmonds, D., Gunn, J., Hopkinson, C., **Mann, M.E.**, Morris, J., Osland, M., Quirk, T., Rovai, A., Rybczyk, J., Spencer, T., Stephens, J., Syvitski, J., Twilley, R., Visser, J., White, J.R., Wetlands in the Anthropocene, *Annu. Rev. Environ.,* 49, 105-135, doi: 10.1146/annurev-environ-121922-041109, 2024.
- Ripple, W.J., Wolf, C., Gregg, J.W., Rockström, J., **Mann, M.E.,** Oreskes, N., Lenton, T.M., Rahmstorf, S., Newsome, T.M., Xu, C., Svenning, J-C., Pereira, C.C., Law, B.E., Crowther, T.W., The 2024 state of the climate report: Perilous times on planet Earth, *BioScience*, biae087, doi.org/10.1093/biosci/biae087, 2024.
- Guimaraes, S.O., **Mann, M.E.**, Rahmstorf, S., Petri, S., Steinman, B.A., Brouillette, D.J., Christiansen, S., Li, X., Increased projected changes in quasi-resonant amplification and persistent summer weather extremes in the latest multimodel climate projections, *Scientific. Reports*, *Sci Rep* 14, 21991, doi.org/10.1038/s41598-024-72787-0, 2024.
- Verbitsky, M.Y., **Mann, M.E**., Volobuev, D., Absence of causality between seismic activity and global warming, *Earth Syst. Dynam*., 15, 1015–1017, 2024
- Cheng, L., Pan, Y., Tan, Z., Zheng, H., Zhu, Y., Wei, W., Du, J., Yuan, H., Li, G., Li, H., Ye, H., Gouretski, V., Li, Y., Trenberth, K.E., Abraham, J., Jin, Y., Reseghetti, F., Lin, X., Zhang, B., Chen, G., Zhu, J., **Mann, M.E.**, IAPv4 ocean temperature and ocean heat content gridded dataset, *Earth Syst. Sci. Data*, 16, 3517–3546, doi.org/10.5194/essd-16-3517-2024, 2024.
- Carrillo, J., **Mann, M.E.**, Larson, C.J., Christiansen, S., Willeit, M., Ganopolski,A., Li,X., Murphy J.G., Path-Dependence of the Plio-Pleistocene Ice Ages, *Proc. Nat. Acad. Sci*. 121, e2322926121, doi.org/10.1073/pnas.2322926121, 2024.
- Fletcher, C., Ripple, W.J., Newsome, T., Barnard, P., Beamer, K., ABehl, A., Bowen J., Cooney, M., Crist, E., Field, C., Hiser, K., Karl, D.M., King, D.A, **Mann, M.E.**, McGregor, D.P., Mora, C., Oreskes, N., Wilson, M., Emergency Earth: An Urgent Call to End the Age of Destruction and Forge a Just and Sustainable Future, *PNAS Nexus*, 3, doi.org/10.1093/pnasnexus/pgae106, 2024.
- Day, J.W., Xu, Y.J, Keim, B.D., Brown, V.M., **Mann, M.E**., Stephens, J.R., Emerging climate threats to the Mississippi River Delta: Moving from restoration to adaptation, *One Earth,* 7, 558 – 571, doi:10.1016/j.oneear.2024.03.001, 2024.
- Piccari, L., Kaminski, N., **Mann, M.E.**, Fossil Industry and Respiratory Societies – Time for a Clear Stand, *Am J Respir Crit Care Med*, 209, 245–247, doi:10.1164/rccm.202308-1410VP, 2024.
- Li, X., **Mann, M.E.,** Wehner, M.F., Rahmstorf, S., Petri, S., Christiansen, S., Carrillo, J., Role of atmospheric resonance and land-atmosphere feedbacks as a precursor to the June 2021 Pacific Northwest "Heat Dome" event, *Proc. Nat. Acad. Sci.*,121, e2315330121, doi: doi.org/10.1073/pnas.2315330121, 2024.
- Cheng, L., Abraham, J.P., Trenberth, K.E., Boyer, T., **Mann, M.E.**, Zhu, J., Wang, F., Yu, F., Locarnini, R., Fasullo, J., Zheng, F., Li, Y., Zhang, B., Wan, L., Chen, X., Wang, D., Feng, L., Song, X., Liu, Y., Reseghetti, F., Simoncelli, S., Gouretski, V., Chen, G., Mishonov, A., Reagan, J., Von Schuckmann, K., Pan, Y., Tan, Z., Zhu, Y., Wei, W., Li, G., Ren, Q., Cao, L., Lu, Y., New Record Ocean Temperatures and Related Climate Indicators in 2023, *Advances in Atmospheric Sciences* 10.1007/s00376-024-3378-5, 2024.
- **Mann, M.E.**, Warming ends when carbon pollution stops (refereed editorial contribution), *Frontiers in Science*, *Front. Sci.*, doi: 10.3389/fsci.2023.1256273, 2023.

- Tripathy, K.P., Mukherjee, S., Mishra, A.K., **Mann, M.E.**, Williams, A.P., Climate change will accelerate the high-end risk of compound drought and heatwave events, *Proc. Nat. Acad. Sci*., 120, e2219825120, doi: 0.1073/pnas.2219825120, 2023.
- Cheng, L., Abraham, J.P., Trenberth, K.E., Fasullo, J., Boyer, T., **Mann, M.E.**, Zhu, J., Wang, F., Locarnini, R., Li, Y., Zhang, B., Yu, F., Wan, L., Chen, X., Feng, L., Song, X., Liu, Y., Reseghetti, F., Simoncelli, S., Gouretski, V., Chen, G., Mishonov, A., Reagan, J., Li, G., Another year of record heat for the oceans, *Advances in Atmospheric Sciences* doi:10.1007/s00376-023-2385-2, 2023.
- Cheng, L., von Schuckmann, K., Abraham, J., Trenberth, K., **Mann, M.E**., Zanna, L., England, M.H., Zika, J.D., Fasullo, J., Yu, Y.,, Pan, Y.,, Zhu, J., Newsom, E.,, Bronselaer, B., Lin, X., Past and Future Ocean Warming, *Nature Reviews Earth & Environment*, doi: org/10.1038/s43017-022-00345-1, 2022.
- Li, X., Long1 D., Scanlon, B.R., **Mann, M.E**,, Li, X., Tian, F., Sun, Z., Climate change threatens terrestrial water storage over the Tibetan Plateau, *Nature Climate Change*, doi.org/10.1038/s41558-022-01443-0, 2022.
- Abraham, J.P., Cheng, L., **Mann, M.E.**, Trenberth, K.E., von Schuckmann, K., The Ocean Response to Climate Change Guides Both Adaptation and Mitigation Efforts, *Atmospheric and Oceanic Science Letters*, 15, 100221, doi.org/10.1016/j.aosl.2022.100221, 2022.
- Steinman, B.A., Stansell, N.D., **Mann, M.E.**, Cooke, C.A., Abbott, M.B., Vuille, M., Bird, B.W., Lachniet, M.S., Fernandez, A., Interhemispheric Antiphasing of Neotropical Precipitation During the Past Millennium, *Proc. Nat. Acad. Sci*., 119, e2120015119, doi: 10.1073/pnas.2120015119, 2022.
- **Mann, M. E.**, Steinman, B. A., Brouillette, D. J., Fernandez, A., & Miller, S. K. (2022). On the estimation of internal climate variability during the preindustrial past millennium, *Geophys. Res. Lett.*, 49, e2021GL096596, doi: 10.1029/2021GL096596, 2022.
- Cheng, L., Abraham, J.P., Trenberth, K.E., Fasullo, J., Boyer, T., **Mann, M.E.**, Zhu, J., Wang, F., Locarnini, R., Li, Y., Zhang, B., Tan, Z., Yu, F., Wan, L., Chen, X., Song, X., Liu, Y., Reseghetti, F., Simoncelli, S., Gouretski, V., Chen, G., Mishonov, A., Reagan, J., Another record: Ocean warming continues through 2021 Despite La Nina Conditions, *Advances in Atmospheric Sciences*, doi:10.1007/s00376-022-1461-3, 2022.
- **Mann, M.E.,** Beyond the Hockey Stick: Climate Lessons from The Common Era, *Proc. Natl. Acad. Sci.*, 118 (39) e2112797118; doi: 10.1073/pnas.2112797118, 2021.
- Mukherjee, S., G., Mishra, A.K., **Mann, M.E**., Raymond, C., Anthropogenic Warming and Population Growth May Double US Heat Stress by the Late 21st Century, *Earth's Future*, 9, e2020EF001886. doi:10.1029/2020EF001886, 2021.
- Meehl, G.A., Richter, J.H., Teng, H., Capotondi, A, Cobb, K., Doblas-Reyes, F., Donat, M.G., England, M.H., Fyfe, J.C., Han, W., Kim, H., Kirtman, B.P., Kushnir, Y., Lovenduski, N.S., **Mann, M.E.**, Merryfield, W.J., Nieves, V., Pegion, K., Rosenbloom, N., Sanchez, S.C.,. Scaife, A.A., Smith, D., Subramanian, A.C., Sun, L., Thompson, D., Ummenhofer, C.C., Xie, S.-P., Initialized Earth System prediction from subseasonal to decadal timescales, *Nat Rev Earth Environ*, doi: 10.1038/s43017-021-00155-x, 2021.
- **Mann, M.E.,** Steinman, B.A., Brouillette, D.J., Miller, S.K., Multidecadal Climate Oscillations During the Past Millennium Driven by Volcanic Forcing, *Science,* 371, 1014–1019, 2021.
- Cheng, L., Abraham, J.P., Trenberth, K.E., Fasullo, J., Boyer, T., Locarnini, R., Zhang, B., Yu, F., Wan, L., Chen, X., Song, X., Liu, Y, **Mann, M.E.**, Zhu, J., Upper Ocean Temperatures Hit Record High in 2020, *Advances in Atmospheric Sciences*, 38, 523-530, 2021.

- Cheng, L., Trenberth, K.E., Gruber, J., Abraham, J.P., Fasullo, J.T., Li., G., **Mann, M.E.**, Zhao, X., Zhu, J., Improved estimates of changes in upper ocean salinity and the hydrological cycle, *J. Climate*, 33, 10357–10381, 2020.
- Li., G., Cheng, L., Zhu, J., Trenberth, K.E., **Mann, M.E.**, Abraham, J.P., Increasing Ocean Stratification Over the Past Half Century, *Nature Climate Change* 10, 1116-1123, doi: 10.1038/s41558-020-00918-2, 2020.
- Konapala, G., Mishra, A.K., Wada, Y., **Mann, M.E**., Climate Change Will Affect Global Water Availability through Compounding Changes in Seasonal Precipitation and Evaporation, *Nature Communications,* 11, 3044, doi: 10.1038/s41467-020-16757-w, 2020.
- Cheng, L., Abraham, J.P., Zhu, J., Trenberth, K.E., Fasullo, J., Boyer, T., Locarnini, R., Zhang, B., Yu, F., Wan, L., Chen, X., Song, X., Liu, Y, **Mann, M.E.,** Record-Setting Ocean Warmth Continued in 2019, *Advances in Atmospheric Sciences*, 37, 137-142, 2020.
- **Mann, M.E**., Steinman, B.A., Miller, S.K., Absence of Internal Multidecadal and Interdecadal Oscillations in Climate Model Simulations, *Nature Communications* 11, 49, doi:10.1038/s41467-019-13823-w, 2020.
- Post, E., Alley, R.B., Christensen, T.R., Macias-Fauria, M., Forbes, B.C., Gooseff, M.N., Iler, A., Kerby, J.T., Laidre, K.L., **Mann, M.E**., Olofsson, J., Stroeve, J.C., Ulmer, F., Virginia, R.A., Wang, M., The Polar Regions in a 2ºC warmer world, *Science Advance*s, 5, eaaw9883, doi: 10.1126/sciadv.aaw9883, 2019.
- Fick, D.M., Kolanowski, A.M., McDermott Levy, R.., **Mann, M.E.**, Addressing the Health Risks of Climate Change in Older Adults, *Journal of Gerontological Nursing*, 45, 21-29, 2019.
- Verbitsky, M.Y., **Mann, M.E.**, Steinman, B.A., Volobuev, D.M., Detecting causality signal in instrumental measurements and climate model simulations: global warming case study, *Geosci. Model Dev.*, 12, 4053–4060, https://doi.org/10.5194/gmd-12-4053-2019, 2019.
- Hoegh-Guldberg, O., Skirving, W., Lough, J., Liu, C., **Mann, M.E.**, Donner, S., Eakin, M., Cantin, N., Miller, S., Heron, S.F., Dove, S. Commentary: Reconstructing Four Centuries of Temperature-Induced Coral Bleaching on the Great Barrier Reef, *Frontiers in Marine Science* doi: 10.3389/fmars.2019.00086, 2019.
- Lewandowsky, S., Cowtan, K., Risbey, J.S., **Mann, M.E.,** Steinman, B.A., Oreskes, N., Rahmstorf, S., The "pause" in global warming in historical context: Comparing models to observations, *Environ. Res. Lett.*, 13, 123007, 2018.
- Walker, A.M., Titley, D.W., **Mann, M.E.**, Najjar, R.G., Miller, S.K., A Fiscally Based Scale for Tropical Cyclone Storm Surge, *Weather and Forecasting,* 33, 1709-1733, 2018.
- **Mann, M.E.**, Rahmstorf, S., Kornhuber, K., Steinman, B.A., Miller, S.K., Petri, S., Coumou, D., Projected changes in persistent extreme summer weather events: The role of quasi-resonant amplification, *Science Advances* **4**:eaat3272, 2018.
- Li, M., Kump, L., Hinnov, L.A., **Mann, M.E.**, Tracking variable sedimentation rates and astronomical forcing in Phanerozoic paleoclimate proxy series with evolutionary correlation coefficients and hypothesis testing, *Earth Planet Sci. Lett.*, 501, 165-179, 2018.
- Frankcombe, L., England, M.H., Kajtar, M., **Mann, M.E.**, Steinman, B.A., On the choice of ensemble mean for estimating the forced signal in the presence of internal variability, *J. Climate*, 31, 5681-5693, 2018.
- Sinha, P., **Mann, M.E.**, Fuentes, J.D., Mejia, A., Ning, L., Weiyi, S., He, T., Obeysekera, J., Downscaled rainfall projections in south Florida using self organizing maps, *Sci. Total Environ*, 135, 1110-1123, 2018.

- Schurer, A., Cowtan, K., Hawkins, E., **Mann, M.E.**, Scott, V., Tett, S.F.B., Interpretations of the Paris Climate Target, *Nature Geoscience*, 1752-0908, doi:10.1038/s41561-018-0086-8, 2018.
- Harvey, J.A., van den Berg, D., Ellers, J., Kampen, R., Crowther, T.W., Roessingh, P., Verheggen, B., Nuijten, R.J.M., Post, E., Lewandowsky, S., Stirling, I., Balgopal, M., Amstrup, S.C., **Mann, M.E**., Internet blogs, Polar Bears, and Climate Change Denial by Proxy, *Bioscience*, 68, 281-287, 2018.
- Post, E., Steinman, B.A., **Mann, M.E.**, Rates of phenological advance and warming have increased with latitude in the Northern Hemisphere over the past century, *Scientific Reports* 8, 3297, 2018.
- Cheung, A.H., **Mann, M.E**., Steinman, B.A., Frankcombe, L.M., England, M.H., Miller, S.K., Reply to Comment on "Comparison of low-frequency internal climate variability in CMIP5 models and observations" by Kratsov, *J. Climate*, 30, 9773-9782, 2017.
- Garner, A.J., **Mann, M.E.**, Emanuel, K.A., Kopp, R.E., Lin, N., Alley, R.B., Horton, B.P., DeConto, R.M. Donnelly, J.P., Pollard, D., The Impact of Climate Change on New York City's Coastal Flood Hazard: Increasing Flood Heights from the Pre-Industrial to 2300 CE, *Proc. Natl. Acad. Sci.*, 114, 11861-11866, 2017.
- Lewandowsky, S., Freeman, M.C., **Mann, M.E**., Harnessing the uncertainty monster: Putting quantitative constraints on the intergenerational social discount rate, *Global and Planetary Change*, 156, 155–166, 2017.
- **Mann, M.E.**, Lloyd, E.A., Oreskes, N., Assessing Climate Change Impacts on Extreme Weather Events: The Case For an Alternative (Bayesian) Approach, *Climatic Change*, 144, 131-142, 2017.
- **Mann, M.E.**, Miller, S.K., Rahmstorf, S., Steinman, B.A., Tingley M., Record Temperature Streak Bears Anthropogenic Fingerprint, *Geophys Res. Lett.*, 44, doi:10.1002/2017GL074056, 2017.
- Schurer, A.P., **Mann, M.E.**, Hawkins, E., Hegerl, G.C., Tett, S.F.B., Importance of the pre-Industrial baseline for likelihood of exceeding Paris goals, *Nature Climate Change*, 7, 563-567, 2017.
- Abraham, J.P., Cheng, J., **Mann, M.E**., Future Climate Projections Allow Engineering Planning, *Forensic Engineering*, 170, 54-57, 2017.
- Santer, B.D., Fyfe, J.C., Pallotta, G., Flato, G.M., Meehl, G.A., England, M.H., Hawkins, E., **Mann, M.E.**, Painter, J.F., Bonfils, C., Cvijanovic, I., Meers, C., Wentz, F.J., Po-Chedley, S., Qiang, F., Zou, C.-Z., Investigating the Causes of Differences in Model and Satellite Tropospheric Warming Rates, *Nature Geoscience*, 10, 478-485, 2017.
- Cheung, A.H., **Mann, M.E**., Steinman, B.A., Frankcombe, L.M., England, M.H., Miller, S.K., Comparison of Low Frequency Internal Climate Variability in CMIP5 Models and Observations, *J. Climate*, 30, 4763-4776, 2017.
- Grajal, A, Luebke, J.F., Clayton, S., Saunders, C.D., Kelly, L-A, Matiasek, J., Stanoss, R., Goldman, S.D., **Mann, M.E.**, Karazsia, B.T., A complex relationship between personal affective connections to animals and self-reported pro-environmental behaviors by zoo visitors, *Conservation Biology*, 31, 322–330, 2017.
- **Mann, M.E.**, Rahmstorf, S., Kornhuber, K., Steinman, B.A., Miller, S.K., Coumou, D., Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events, *Scientific Reports* 7, 45242, 2017.
- Lewandowsky, S., **Mann, M.E**., Brown, N.J.L., Friedman, H., Science and the Public: Debate, Denial, and Skepticism**,** *Journal of Social and Political Psychology*, 4, 1–99, doi:10.5964/jspp.v4i2.604, 2016.
- Zhang, F., Li, W., **Mann, M.E.**, Limits to Regional-scale Climate Predictability over North America, *Advances in Atmospheric Sciences*, 33, 905-918, 2016.

- **Mann, M.E.**, Steinman, B., Miller, S.K., Frankcombe, L., England, M., Cheung, A.H., Predictability of the Recent Slowdown and Subsequent Recovery of Large-Scale Surface Warming using Statistical Methods, *Geophys Res. Lett.,* 43, 3459–3467, doi:10.1002/2016GL068159, 2016.
- Fyfe, J.C, Meehl, G.A., England, M.H., **Mann, M.E.**, Santer, B.D., Flato, G.M., Hawkins, E., Gillet, N.P., Xie, S.-P., Kosaka, Y., Swart, N.C., Making sense of the early-2000s global warming slowdown, *Nature Climate Change*, 6, 224-228, 2016.
- **Mann, M.E.**, Rahmstorf, S., Steinman, B.A., Tingley M., Miller, S.K., The Likelihood of Recent Record Warmth, *Scientific Reports*, 6, 19831, 2016.
- Steinman, B.A., Frankcombe, L.M., **Mann, M.E.**, Miller, S.K., England, M.H., Response to Comment on "Atlantic and Pacific multidecadal oscillations and Northern Hemisphere temperatures", *Science*, 350, 1326, 2015.
- Lindeman, K.C., Dame, L.E., Avenarius, C.B., Horton, B.P., Donnelly, J.P., Corbett, D.R., Kemp, A.C., Lane, P., **Mann, M.E.**, and Peltier, W.R., Science needs for sea-level adaptation planning: comparisons among three U.S. Atlantic coast regions, *Coastal Management*, 43, 555–574, 2015.
- Reed, A.J., **Mann, M.E.**, Emanuel, K.A., Lin, N., Horton, B., Kemp, A.C., Donnelly, J.P., Increased threat of tropical cyclones and coastal flooding to New York City during the anthropogenic era, *Proc. Nat. Acad. Sci.*, 112, 12610-12615, 2015.
- Frankcombe, L.M., England, M.H., **Mann, M.E.**, Steinman, B.A., Separating internal variability from the externally forced climate response, *J. Climate*, 28, 8184-8202, 2015.
- Cowtan, K., Hausfather, Z., Hawkins, E., Jacobs, P., **Mann, M.E.**, Miller, S.K., Steinman, B.A., Stolpe, M.B., Way, R.G., Robust comparison of climate models with observations using blended land air and ocean sea surface temperatures, *Geophys Res. Lett.*, 42, 6526–6534, doi:10.1002/2015GL064888, 2015.
- Reed, A.J., **Mann, M.E.**, Emanuel, K.A., Titley, D.W., An analysis of long-term relationships among count statistics and metrics of synthetic tropical cyclones downscaled from CMIP5 models, *J. Geophys. Res.*, 120, 7506-7519, doi:10.1002/2015JD023357, 2015.
- Rahmstorf, S., Box, J., Feulner, G., **Mann, M.E**., Robinson, A., Rutherford, S., Schaffernicht, E., Exceptional 20th-Century slowdown in Atlantic Ocean overturning, *Nature Climate Change* 5, 475–480, 2015.
- Ross, A.C., Najjar, R.G., Li, M., **Mann, M.E.**, Ford, S.E., Katz, B., Influences on decadal-scale variations of salinity in a coastal plain estuary, *Estuarine, Coastal and Shelf Science*, 157, 79-92, 2015.
- Steinman, B.A., **Mann, M.E.**, Miller, S.K., Atlantic and Pacific multidecadal oscillations and Northern Hemisphere temperatures, *Science*, 347, 998-991, 2015.
- Paaijmans, K.P., Blanford, J.I., Crane, R.G., **Mann, M.E.**, Ning, L., Schreiber, K.V., Thomas M.B., Downscaling reveals diverse effects of anthropogenic climate warming on the potential for local environments to support malaria transmission, *Climatic Change*, 125, 479-488, 2014.
- Rutherford, S., **Mann, M.E.**, Missing tree rings and the AD 774-775 radiocarbon event, *Nature Climate Change*, 4, 648-649, 2014.
- **Mann, M.E**., Steinman, B.A., Miller, S.K., On Forced Temperature Changes, Internal Variability and the AMO, *Geophys. Res. Lett.*, 41, 3211-3219, doi:10.1002/2014GL059233, 2014.
- Singh, R., Wagener, T., Crane, R., **Mann, M.E.,** Ning, L., A stakeholder driven approach to identify critical thresholds in climate and land use for selected streamflow indices – application to a Pennsylvania watershed, *Water Resources Research*, 50, 3409-3427, doi: 10.1002/2013WR014988, 2014.

- Steinman, B.A., Abbott, M.B., **Mann, M.E.**, Ortiz, J.D., Feng, S., Pompeani, D.P., Stansell, N.D., Anderson, L., Finney, B.P., Bird, B.W., Ocean-atmosphere forcing of centennial hydroclimate variability in the Pacific Northwest, *Geophys. Res. Lett.*, 41, 2553-2560, doi:10.1002/2014GL059499, 2014.
- Schmidt, G.A., Annan, J.D., Bartlein, P.J., Cook, B.I., Guilyardi, E., Hargreaves, J.C., Harrison, S.P., Kageyama, M., LeGrande, A.N., Konecky, B., Lovejoy, S., **Mann, M.E.**, Masson-Delmotte, V., Risi, C., Thompson, D., Timmermann, A., Tremblay, L.-B., Yiou, P., Using paleo-climate comparisons to constrain future projections in CMIP5*, Clim. Past*, 10, 221–250, 2014.
- Sriver, R.L., Timmermann, A., **Mann, M.E.**, Keller, K., Goosse, H., Improved representation of tropical Pacific ocean-atmosphere dynamics in an intermediate complexity climate model, *J. Climate*, 27, 168-187, 2014.
- Kozar, M.E., **Mann, M.E.**, Emanuel, K.A., Evans, J.L., Long-term Variations of North Atlantic Tropical Cyclone Activity Downscaled from a Coupled Model Simulation of the Last Millennium, *J. Geophys. Res.*, 118, 13383-13392, doi:10.1002/2013JD020380, 2013.
- **Mann, M.E.**, Rutherford, S., Schurer, A., Tett, S.F.B., Fuentes, J.D., Discrepancies Between the Modeled and Proxy-Reconstructed Response to Volcanic Forcing over the Past Millennium: Implications and Possible Mechanisms, *J. Geophys. Res.,* 118, 7617-7627, doi:10.1002/jgrd.50609, 2013.
- Schurer, A., Hegerl, G., **Mann, M.E.**, Tett, S.F.B., Phipps, S.J., Separating forced from chaotic climate variability over the past millennium, *J. Climate*, 26, 6954-6973, 2013.
- Rutherford, S.D., **Mann, M.E.**, Wahl, E., Ammann, C., Comment on: "Erroneous Model Field Representations in Multiple Pseudoproxy Studies: Corrections and Implications" by Jason E. Smerdon, Alexey Kaplan and Daniel E. Amrhein, *J. Climate*, 26, 3482-3484, 2013.
- Emile-Geay, J., Cobb, K.M., **Mann, M.E.**, Wittenberg, A.T., Estimating Central Equatorial Pacific SST variability over the Past Millennium. Part 2: Reconstructions and Uncertainties, *J. Climate*, 26, 2329-2352, 2013.
- Emile-Geay, J., Cobb, K.M., **Mann, M.E.**, Wittenberg, A.T., Estimating Central Equatorial Pacific SST variability over the Past Millennium. Part 1: Methodology and Validation, *J. Climate*, 26, 2302-2328, 2013.
- Feng, S., Hu, Q., Wu, Q., **Mann, M.E.**, A Gridded Reconstruction of Warm Season Precipitation for Asia Spanning the Past Half Millennium, *J. Climate*, 26, 2192-2204, 2013.
- Blanford J.I., Blanford S., Crane R.G., **Mann, M.E.**, Paaijmans K.P., Schreiber, K.V., Thomas, M.B., Implications of temperature variation for malaria parasite development across Africa, *Scientific Reports*, 3, 1300, doi: 10.1038/srep01300, 2013.
- **Mann, M.E.**, Fuentes, J.D., Rutherford, S., Reply to "Tree-Rings and Volcanic Cooling", *Nature Geoscience,* 5, 837-838, 2012.
- Kozar, M.E., **Mann, M.E.**, Camargo, S.J., Kossin, J.P., Evans, J.L., Stratified statistical models of North Atlantic basin-wide and regional tropical cyclone counts, *J. Geophys. Res.* 117, D18103, doi:10.1029/2011JD017170, 2012.
- Goosse, H., Crespin, E., Dubinkina, S., Loutre, M., **Mann, M.E**., Renssen, H., Sallaz-Damaz, Y., Shindell, D., The role of forcing and internal dynamics in explaining the "Medieval Climate Anomaly", *Climate Dynamics*, 39, 2847-2866, 2012.
- Ning, L., **Mann, M.E.**, Crane, R., Wagener, Singh, R., Probabilistic Projections of Anthropogenic Climate Change Impacts on Precipitation for the Mid-Atlantic Region of the United States, *J. Climate*, 25, 5273-5291, 2012.

- Steinman, B.A., Abbott, M.B., **Mann, M.E.**, Stansell, N.D., Finney, B.P., 1500 year quantitative reconstruction of winter precipitation in the Pacific Northwest, *Proc. Nat. Acad. Sci.*, 109, 11619-11623, 2012.
- Fan, F., **Mann, M.E.**, Lee, S., Evans, J.L., Future Changes in the South Asian Summer Monsoon: An Analysis of the CMIP3 Multi-Model Projections, *J. Climate*, 25, 3909-3928, 2012.
- **Mann, M.E.**, Fuentes, J.D., Rutherford, S., Underestimation of Volcanic Cooling in Tree-Ring Based Reconstructions of Hemispheric Temperatures, *Nature Geoscience*, 5, 202–205, 2012.
- Goosse, H., Guiot, J., **Mann, M.E.**, Dubinkina, S., Sallaz-Damaz, Y., The medieval climate anomaly in Europe: Comparison of the summer and annual mean signals in two reconstructions and in simulations with data assimilation, *Global and Planetary Change*, 84-85, 35-47, 2012.
- Ning, L., **Mann, M.E.**, Crane, R., Wagener, T., Probabilistic Projections of Climate Change for the Mid-Atlantic Region of the United States - Validation of Precipitation Downscaling During the Historical Era, *J. Climate*, 25, 509-526, 2012.
- Diaz, H.F., Trigo, R., Hughes, M.K., **Mann, M.E.**, Xoplaki, E., Barriopedro, D., Spatial and temporal characteristics of climate in medieval times revisited, *Bulletin of the American Meteorological Society*, 92, 1487-1500, 2011.
- Katz, B., Najjar, R.G., Cronin, T., Rayburn, J., **Mann, M.E.**, Constraints on Lake Agassiz discharge through the late-glacial Champlain Sea (St. Lawrence Lowlands, Canada) using salinity proxies and an estuarine circulation model, *Quat. Sci. Rev.*, 30, 3248-3257, 2011.
- Singh, R., Wagener, T., Van Werkhoven, K., **Mann, M.E.**, Crane, R., A trading-space-for-time approach to probabilistic continuous streamflow predictions in a changing climate – accounting for changing watershed behavior, *Hydrol. Earth Syst. Sci.,* 15, 1–13, 2011.
- Kemp, A.C., Horton, B.P., Donnelly, J.P., **Mann, M.E.**, Vermeer, M., Rahmstorf, S., Climate related sea-level variations over the past two millennia, *Proc. Nat. Acad. Sci.*, 108, 11017-11022, 2011.
- Sriver, R.L., Goes, M., **Mann, M.E.**, Keller, K., Climate response to tropical cyclone-induced ocean mixing in an Earth system model of intermediate complexity, *J. Geophys Res.*, 115, C10042, doi:10.1029/2010JC006106, 2010.
- Fan, F., **Mann, M.E.**, Lee, S., Evans, J.L., Observed and Modeled Changes in the South Asian Summer Monsoon Over the Historical Period, *J. Climate*, 23, 5193-5205, 2010.
- Rutherford, S.D., **Mann, M.E.**, Ammann, C., Wahl, E., Comment on: "A surrogate ensemble study of climate reconstruction methods: Stochasticity and robustness" by Christiansen, Schmith and Thejll, *J. Climate*, 23, 2832-2838, 2010.
- Foster, G., Annan, J.D., Jones, P.D., **Mann, M.E.**, Mullan, B., Renwick, J., Salinger, J., Schmidt, G.A., Trenberth, K.E., Comment on "Influence of the Southern Oscillation on tropospheric temperature" by J. D. McLean, C. R. de Freitas, and R. M. Carter*., J. Geophys Res.*, 115, D09110, doi:10.1029/2009JD012960, 2010.
- Goosse, H., Crespin, E., de Montety, A., **Mann, M.E.**, Renssen, H., Timmermann, A., Reconstructing surface temperature changes over the past 600 years using climate model simulations with data assimilation, *J. Geophys. Res.*, 115, D09108, doi:10.1029/2009JD012737, 2010.
- **Mann, M.E.,** Zhang Z., Rutherford, S., Bradley, R.S., Hughes, M.K., Shindell, D., Ammann, C., Falugevi, G., Ni, F., Global Signatures and Dynamical Origins of the "Little Ice Age" and "Medieval Climate Anomaly", *Science,* 326, 1256-1260, 2009.
- **Mann, M.E.,** Woodruff, J.D., Donnelly, J.P., Zhang, Z., Atlantic hurricanes and climate over the past 1,500 years, *Nature*, 460, 880-883, 2009.
- Crespin, E., Goosse, H., Fichefet, T., **Mann, M.E**., The 15th century Arctic warming in coupled model simulations with data assimilation, *Clim. Past*, 5, 389-405, 2009.

- **Mann, M.E.**, Do Global Warming and Climate Change Represent a Serious Threat to Our Welfare and Environment? *Social Philosophy and Policy*, 26, 193-230, 2009.
- Malone, R.W., Meek, D.W., Hatfield, J.L., **Mann, M.E.,** Jaquis, R.J., Ma, L., Quasi-Biennial Corn Yield Cycles in Iowa, *Agricultural and Forest Meteorology*, 149, 1087-1094, 2009.
- Fan, F., **Mann, M.E.**, Ammann, C.M., Understanding Changes in the Asian Summer Monsoon over the Past Millennium: Insights From a Long-Term Coupled Model Simulation, *J. Climate*, 22, 1736-1748, 2009.
- **Mann, M.E.**, Schmidt, G.A., Miller, S.K., LeGrande, A.N., Potential Biases in Inferring Holocene Temperature Trends from Long-Term Borehole Information, *Geophys. Res. Lett.*, 36, L05708, doi:10.1029/2008GL036354, 2009.
- Steig, E.J., Schneider, D.P. Rutherford, S.D., **Mann, M.E.**, Comiso, J.C., Shindell, D.T., Warming of the Antarctic ice sheet surface since the 1957 International Geophysical Year, *Nature*, 457, 459-463, 2009.
- Jones, P.D., Briffa, K.R., Osborn, T.J., Lough, J.M., van Ommen, T.D., Vinther, B.M., Luterbacher, J., Wahl, E.R., Zwiers, F.W., **Mann, M.E.**, Schmidt, G.A., Ammann, C.M., Buckley, B.M., Cobb, K.M., Esper, J., Goosse, H., Graham, N., Jansen, E., Kiefer, T, Kull, C., Kuttel, M., Mosely-Thompson, E., Overpeck, J.T., Riedwyl, N., Schulz, M., Tudhope, A.W., Villalba, R., Wanner, H., Wolff, E., Xoplaki, E., High-resolution paleoclimatology of the last millennium: a review of current status and future prospects, *Holocene*, 19, 3-49, 2009.
- Wei, F., Xie, Y., **Mann, M.E.**, Probabilistic trend of anomalous summer rainfall in Beijing: Role of interdecadal variability, *J. Geophys. Res.* 113, D20106, doi:10.1029/2008JD010111, 2008.
- Rutherford, S., **Mann, M.E.**, Wahl, E., Ammann, C., Reply to: "Comment on 'Robustness of proxy-based climate field reconstruction methods', by Mann et al.", *J. Geophys. Res.*, 113, D18107, doi:10.1029/2008JD009964, 2008.
- **Mann, M.E.**, Zhang, Z., Hughes, M.K., Bradley, R.S., Miller, S.K., Rutherford, S., Ni, F., Proxy-Based Reconstructions of Hemispheric and Global Surface Temperature Variations over the Past Two Millennia, *Proc. Natl. Acad. Sci.*, 105, 13252-13257, 2008.
- **Mann, M.E.**, Smoothing of Climate Time Series Revisited, *Geophys. Res. Lett.*, 35, L16708, doi:10.1029/2008GL034716, 2008.
- Foster, G., Annan, J.D., Schmidt, G.A., **Mann, M.E.**, Comment on 'Heat Capacity, Time Constant, and Sensitivity of Earth's Climate System,' by S. E. Schwartz, , *J. Geophys. Res.*, 113, D15102, doi: 10.1029/2007JD009373, 2008.
- **Mann, M.E.**, Rutherford, S., Wahl, E., Ammann, C., Reply to Comment on "Testing the Fidelity of Methods Used in Proxy-based Reconstructions of Past Climate" by Smerdon and Kaplan, *J. Climate*, 20, 5671-5674, 2007.
- **Mann, M.E.**, Sabbatelli, T.A., Neu, U., Evidence for a Modest Undercount Bias in Early Historical Atlantic Tropical Cyclone Counts, *Geophys. Res. Lett.*, 34, L22707, doi:10.1029/2007GL031781, 2007.
- Sabbatelli, T.A., **Mann, M.E.,** The Influence of Climate State Variables on Atlantic Tropical Cyclone Occurrence Rates, *J. Geophys. Res.*, 112, D17114, doi: 10.1029/2007JD008385, 2007.
- **Mann, M.E.**, Emanuel, K.A., Holland, G.J., Webster, P.J, Atlantic Tropical Cyclones Revisited, *Eos*, 88, 36, 349-350, 2007.
- **Mann, M.E.**, Rutherford, S., Wahl, E., Ammann, C., Reply to Comment on "Testing the Fidelity of Methods Used in Proxy-based Reconstructions of Past Climate" by Zorita et al, *J. Climate*, 20, 3699-3703, 2007.

- **Mann, M.E.**, Rutherford, S., Wahl, E., Ammann, C., Robustness of Proxy-Based Climate Field Reconstruction Methods, *J. Geophys. Res.*, 112, D12109, doi: 10.1029/2006JD008272, 2007.
- **Mann, M.E.**, Climate Over the Past Two Millennia, *Annu. Rev. Earth Planet. Sci.*, 35, 111-136, 2007.
- Goosse, H., Arzel, O., Luterbacher, J., **Mann, M.E.**, Renssen, H., Riedwyl, N., Timmermann, A., Xoplaki, E., Wanner, H., The origin of the European "Medieval Warm Period", *Clim. Past*, 2, 99-113, 2006.
- Goosse, H., Renssen, H., Timmermann, A., Bradley, R.S., **Mann, M.E.**, Using paleoclimate proxy-data to select optimal realisations in an ensemble of simulations of the climate of the past millennium, *Climate Dynamics*, 27, 165-184, 2006.
- **Mann, M.E.**, Emanuel, K.A., Atlantic Hurricane Trends linked to Climate Change, *Eos*, 87, 24, 233-241, 2006.
- **Mann, M.E.**, Climate Changes Over the Past Millennium: Relationships with Mediterranean Climates, *Nuovo Cimento* C, 29, 73-80, 2006.
- **Mann, M.E.**, Rutherford, S., Wahl, E., Ammann, C., Testing the Fidelity of Methods Used in Proxy-based Reconstructions of Past Climate, *Journal of Climate*, 18, 4097-4107, 2005.
- Knight, J.R., Allan, R.J., Folland, C.K., Vellinga, M., **Mann, M.E.**, A Signature of Persistent Natural Thermohaline Circulation Cycles in Observed Climate, *Geophysical Research Letters*, 32, L20708, doi: 10.1029/2005GL02423, 2005.
- Cronin, T.M., Thunell, R., Dwyer, G.S., Saenger, C., **Mann, M.E.**, Vann, C., Seal, R.R. II, Multiproxy evidence of Holocene climate variability from estuarine sediments, eastern North America, *Paleoceanography*, 20, PA4006, doi: 10.1029/2005PA001145, 2005.
- Rutherford, S., **Mann, M.E.**, Osborn, T.J., Bradley, R.S., Briffa, K.R., Hughes, M.K., Jones, P.D., Proxy-based Northern Hemisphere Surface Temperature Reconstructions: Sensitivity to Methodology, Predictor Network, Target Season and Target Domain, *Journal of Climate*, 18, 2308-2329, 2005.
- Cook, B.I., Smith, T.M., **Mann, M.E**., The North Atlantic Oscillation and Regional Phenology Prediction over Europe, *Global Change Biology*, 11, 919-926, 2005.
- Frauenfeld, O.W., Davis, R.E., **Mann, M.E.**, A Distinctly Interdecadal Signal of Pacific Ocean–Atmosphere Interaction, *Journal of Climate*, 18, 1709-1718, 2005.
- **Mann, M.E.**, Cane, M.A., Zebiak, S.E., Clement, A., Volcanic and Solar Forcing of the Tropical Pacific Over the Past 1000 Years, *Journal of Climate*, 18, 447-456, 2005.
- D'Arrigo, R.D., Cook, E.R., Wilson, R.J., Allan, R., **Mann, M.E.**, On the Variability of ENSO Over the Past Six Centuries, *Geophysical Research Letters*, 32, L03711, doi: 10.1029/2004GL022055, 2005.
- Zhang, Z., **Mann, M.E.**, Coupled Patterns of Spatiotemporal Variability in Northern Hemisphere Sea Level Pressure and Conterminous U.S. Drought, *Journal of Geophysical Research*, 110, D03108, doi: 10.1029/2004JD004896, 2005.
- Schmidt, G.A., Shindell, D.T., Miller, R.L., **Mann, M.E.**, Rind, D., General Circulation Modeling of Holocene climate variability, *Quaternary Science Reviews*, 23, 2167-2181, 2004.
- Cook, B.I., **Mann, M.E.**, D'Odorico, P., Smith, T.M., Statistical Simulation of the Influence of the NAO on European Winter Surface Temperatures: Applications to Phenological Modeling, *Journal of Geophysical Research*, 109, D16106, doi:10.1029/2003JD004305, 2004.
- Zhang, Z., **Mann, M.E.**, Cook, E.R., Alternative Methods of Proxy-Based Climate Field Reconstruction: Application to the Reconstruction of Summer Drought Over the Conterminous United States back to 1700 From Drought-Sensitive Tree Ring Data, *Holocene*, 14, 502-516, 2004.

- Andronova, N.G., Schlesinger, M.E., **Mann, M.E.**, Are Reconstructed Pre-Instrumental Hemispheric Temperatures Consistent With Instrumental Hemispheric Temperatures?, *Geophysical Research Letters*, 31, L12202, doi: 10.1029/2004GL019658, 2004.
- Jones, P.D., **Mann, M.E.**, Climate Over Past Millennia, *Reviews of Geophysics*, 42, RG2002, doi:10.1029/2003RG000143, 2004.
- **Mann, M.E**., On Smoothing Potentially Non-Stationary Climate Time Series, *Geophysical Research Letters*, 31, L07214, doi: 10.1029/2004GL019569, 2004.
- Schmidt, G.A., **Mann, M.E.**, Reply to comment on ''Ground vs. surface air temperature trends: Implications for borehole surface temperature reconstructions''by D. Chapman et al., *Geophysical Research Letters*, 31, L07206, doi: 10.1029/2003GL0119144, 2004.
- L'Heureux, M.L., **Mann, M.E.**, Cook B.I., Gleason, B.E., Vose, R.S., Atmospheric Circulation Influences on Seasonal Precipitation Patterns in Alaska during the latter 20th Century, *Journal of Geophysical Research*, 109, D06106, doi:10.1029/2003JD003845, 2004.
- Shindell, D.T., Schmidt, G.A., **Mann, M.E.**, Faluvegi, G., Dynamic winter climate response to large tropical volcanic eruptions since 1600, *Journal of Geophysical Research*, 109, D05104, doi: 10.1029/2003JD004151, 2004.
- Adams, J.B., **Mann, M.E.**, D'Hondt, S., The Cretaceous-Tertiary Extinction: Modeling Carbon Flux and Ecological Response, *Paleoceanography*, 19, PA1002, doi: 10.1029/2002PA000849, 2004.
- Adams, J.B., **Mann, M.E.**, Ammann, C.M., Proxy evidence for an El Nino-like Response to Volcanic Forcing, *Nature*, 426, 274-278, 2003.
- Shindell, D.T., Schmidt, G.A., Miller, R., **Mann, M.E.**, Volcanic and Solar forcing of Climate Change During the Pre-Industrial era, *Journal of Climate*, 16, 4094-4107, 2003.
- **Mann, M.E.**, Jones, P.D., Global Surface Temperatures over the Past two Millennia, *Geophysical Research Letters*, 30 (15), 1820, doi: 10.1029/2003GL017814, 2003.
- **Mann, M.E.**, Schmidt, G.A., Ground vs. Surface Air Temperature Trends: Implications for Borehole Surface Temperature Reconstructions, *Geophysical Research Letters*, 30 (12), 1607, doi: 10.1029/2003GL017170, 2003.
- Andrews, J.T., Hardadottir, J., Stoner, J.S., **Mann, M.E.**, Kristjansdottir, G.B., Koc, N., Decadal to Millennial-scale periodicities in North Iceland shelf sediments over the last 12,000 cal yrs: long-term North Atlantic oceanographic variability and Solar Forcing, *Earth and Planetary Science Letters*, 210, 453-465, 2003.
- D'Arrigo, R.D., Cook, E.R., **Mann, M.E.**, Jacoby, G.C., Tree-ring reconstructions of temperature and sea level pressure variability associated with the warm-season Arctic Oscillation since AD 1650, *Geophysical Research Letters*, 30 (11), 1549, doi: 10.1029/2003GL017250, 2003.
- Covey, C., AchutaRao, K.M., Cubasch, U., Jones, P.D., Lambert, S.J., **Mann, M.E.**, Philips, T.J., Taylor, K.E., An Overview of Results from the Coupled Model Intercomparison Project (CMIP), *Global and Planetary Change*, 37, 103-133, 2003.
- **Mann, M.E.**, Rutherford, S., Bradley, R.S., Hughes, M.K., Keimig, F.T., Optimal Surface Temperature Reconstructions Using Terrestrial Borehole Data, *Journal of Geophysical Research,* 108 (D7), 4203, doi: 10.1029/2002JD002532, 2003.
- Braganza, K., Karoly, D., Hirst, T., **Mann, M.E.**, Stott, P., Stouffer, R.J., Tett, S., Indices of Global Climate Variability and Change: Part I - Variability and Correlation Structure, *Climate Dynamics*, 20, 491-502, 2003.
- Gerber, S., Joos, F., Bruegger, P.P., Stocker, T.F., **Mann, M.E.**, Sitch, S., Constraining Temperature Variations over the last Millennium by Comparing Simulated and Observed Atmospheric CO2, *Climate Dynamics*, 20, 281-299, 2003.

- Rutherford, S., **Mann, M.E**., Delworth, T.L., Stouffer, R., Climate Field Reconstruction Under Stationary and Nonstationary Forcing, *Journal of Climate*, 16, 462-479, 2003.
- Druckenbrod, D., **Mann, M.E.**, Stahle, D.W., Cleaveland, M.K., Therrell, M.D., Shugart, H.H., Late 18th Century Precipitation Reconstructions from James Madison's Montpelier Plantation, *Bulletin of the American Meteorological Society*, 84, 57-71, 2003.
- Ribera, P., **Mann, M.E.**, ENSO related variability in the Southern Hemisphere, 1948-2000, *Geophysical Research Letters*, 30 (1), 1006, doi: 10.1029/2002GL015818, 2003.
- Ghil, M., Allen, M.R., Dettinger, M.D., Ide, K., Kondrashov, D., **Mann, M.E.**, Robertson, A.W., Tian, Y., Varadi, F., Yiou, P., Advanced Spectral Methods for Climatic Time Series, *Reviews of Geophysics*, 40 (1), 1003, doi: 10.1029/2000RG000092, 2002.
- **Mann, M.E.**, Large-scale climate variability and connections with the Middle East in past centuries, *Climatic Change,* 55, 287-314, 2002.
- Cook, E.R., D'Arrigo, R.D., **Mann, M.E.**, A Well-Verified, Multi-Proxy Reconstruction of the Winter North Atlantic Oscillation Since AD 1400, *Journal of Climate*, 15, 1754-1764, 2002.
- **Mann, M.E.**, Rutherford, S., Climate Reconstruction Using 'Pseudoproxies', *Geophysical Research Letters*, 29 (10), 1501, doi: 10.1029/2001GL014554, 2002.
- Ribera, P., **Mann, M.E.**, Interannual variability in the NCEP Reanalysis 1948-1999, *Geophysical Research Letters*, 29 (10), 1494, doi: 10.1029/2001GL013905, 2002.
- Waple, A., **Mann, M.E.**, Bradley, R.S., Long-term Patterns of Solar Irradiance Forcing in Model Experiments and Proxy-based Surface Temperature Reconstructions, *Climate Dynamics,* 18, 563-578, 2002.
- Shindell, D.T., Schmidt, G.A., **Mann, M.E.**, Rind, D., Waple, A., Solar forcing of regional climate change during the Maunder Minimum, *Science*, 294, 2149-2152, 2001.
- **Mann, M.E.**, Large-scale Temperature Patterns in Past Centuries: Implications for North American Climate Change, *Human and Ecological Risk Assessment*, 7 1247-1254, 2001.
- **Mann, M.E**., Climate During the Past Millennium, *Weather* (invited contribution), 56, 91-101, 2001.
- Cullen, H., D'Arrigo, R., Cook, E., **Mann, M.E.**, Multiproxy-based reconstructions of the North Atlantic Oscillation over the past three centuries, *Paleoceanography*, 15, 27-39, 2001.
- **Mann, M.E.**, Gille, E., Bradley, R.S., Hughes, M.K., Overpeck, J.T., Keimig, F.T., Gross, W., Global Temperature Patterns in Past Centuries: An interactive presentation, *Earth Interactions*, 4-4, 1-29, 2000.
- Delworth, T.L., **Mann, M.E.**, Observed and Simulated Multidecadal Variability in the Northern Hemisphere, *Climate Dynamics,* 16, 661-676, 2000.
- Rittenour, T., Brigham-Grette, J., **Mann, M.E.**, El Niño-like Climate Teleconnections in New England During the Late Pleistocene, *Science*, 288, 1039-1042, 2000.
- Park, J., **Mann, M.E.**, Interannual Temperature Events and Shifts in Global Temperature: A Multiple Wavelet Correlation Approach, *Earth Interactions*, 4-1, 1-36, 2000.
- **Mann, M.E.**, Park, J., Oscillatory Spatiotemporal Signal Detection in Climate Studies: A Multiple-Taper Spectral Domain Approach, *Advances in Geophysics*, 41, 1-131, 1999.
- Jain, S., Lall, U., **Mann, M.E.**, Seasonality and Interannual Variations of Northern Hemisphere Temperature: Equator-to-Pole Gradient and Land-Ocean Contrast, *Journal of Climate*, 12, 1086-1100, 1999.
- **Mann, M.E.**, Bradley, R.S. and Hughes, M.K., Northern Hemisphere Temperatures During the Past Millennium: Inferences, Uncertainties, and Limitations, *Geophysical Research Letters*, 26, 759-762, 1999.

- **Mann, M.E.**, Bradley, R.S., and Hughes, M.K., Global-Scale Temperature Patterns and Climate Forcing Over the Past Six Centuries, *Nature*, 392, 779-787, 1998.
- Rajagopalan, B., **Mann, M.E.**, and Lall, U., A Multivariate Frequency-Domain Approach to Long-Lead Climatic Forecasting, *Weather and Forecasting,*,13, 58-74, 1998.
- **Mann, M.E.**, Park, J., Joint Spatio-Temporal Modes of Surface Temperature and Sea Level Pressure Variability in the Northern Hemisphere During the Last Century, *Journal of Climate*, 9, 2137-2162, 1996.
- **Mann, M.E.**, Lees. J., Robust Estimation of Background Noise and Signal Detection in Climatic Time Series, *Climatic Change*, 33, 409-445, 1996.
- Koch, D., **Mann, M.E.**, Spatial and Temporal Variability of 7Be Surface Concentrations, *Tellus*, 48B, 387-396, 1996.
- Abarbanel, H., Lall, U., Moon, Y.I., **Mann, M.E.**, and Sangoyomi, T., Nonlinear dynamics and the Great Salt Lake: A Predictable Indicator of Regional Climate, *Energy*, 21, 655-665, 1996.
- **Mann, M.E.**, Park, J., Greenhouse Warming and Changes in the Seasonal Cycle of Temperature: Model Versus Observations, *Geophysical Research Letters*, 23, 1111-1114, 1996.
- **Mann, M.E.**, Park, J., Bradley, R.S., Global Interdecadal and Century-Scale Climate Oscillations During the Past Five Centuries, *Nature,* 378, 266-270, 1995.
- Lall, U., **Mann, M.E.**, The Great Salt Lake: A Barometer of Low-Frequency Climatic Variability, *Water Resources Research,* 31, 2503-2515, 1995.
- **Mann, M.E.**, Lall, U., Saltzman, B., Decadal-to-century scale climate variability: Insights into the Rise and Fall of the Great Salt Lake, *Geophysical Research Letters*, 22, 937-940, 1995.
- Marshall, S., **Mann, M.E.**, Oglesby, R., Saltzman, B., A comparison of the CCM1-simulated climates for pre-industrial and present-day C02 levels, *Global and Planetary Change*, 10, 163-180, 1995.
- **Mann, M.E.**, Park, J., Global scale modes of surface temperature variability on interannual to century time scales, *Journal of Geophysical Research*, 99, 25819-25833, 1994.
- **Mann, M.E.**, Park, J., Spatial correlations of interdecadal variation in global surface temperatures, *Geophysical Research Letters,* 20, 1055-1058, 1993.
- Ceder,G., Asta, M.,Carter, W.C.,Kraitchman, M.,de Fontaine, D., **Mann, M.E.**, Sluiter, M., Phase diagram and low-temperature behavior of oxygen ordering in YBa2Cu3Oz, *Physical Review B,* 41, 8698-8701, 1990.
- de Fontaine, D., **Mann, M.E.**, Ceder, G., States of Partial Order in YBa2Cu3Oz, *Physical Review Letters*, 63, 1300-1303, 1989.
- Burmester, C.P., **Mann, M.E.**, Ceder, G., Wille, L.T., de Fontaine, D., Monte Carlo Simulation of Oxygen Ordering in YBa2Cu3Oz, *Physica C*, 162-164, 1989.
- **Mann, M.E.**, Marshall, C.H., Haymet, A.D.J., Nematic Liquid Crystals: A Monte Carlo Simulation Study In Higher Dimensions, *Molecular Physics*, 66, 493-507, 1989.

Additional Reviewed/Edited Contributions

- **Mann, M.E.,** Bill Gates's climate comments are a dangerous distraction, *Nature*, 647, 561, doi: 10.1038/d41586-025-03712-22025, 2025.
- **Mann, M.E.,** Foreword to *How To Think About Climate Change* (bookazine), *New Scientist*, 2025.
- Sinclair, A. H., Cosme, D., Lydic, K., Reinero, D. A., **Mann, M. E.**, & Falk, E. B., Reply to Loh and Ren: Motivating action among climate change believers. *Proc. Natl. Acad. Sci.,*122, e2515426122, doi: 10.1073/pnas.2515426122, 2025.

- **Mann, M.E**., Hotez, P.J., Science Under Siege: The Wellness and Health Freedom Empire, *Skeptical Inquirer*, 49, 35-38, Sep/Oct 2025.
- **Mann, M.E.,** Confronting Earth's Greatest Challenge Yet, *UN Today*, Sep 2025.
- Sinclair, A.H., Cosme, D., Lydic, K., Reinero, D.A., **Mann, M.E.**, & Falk, E.B., Reply to Dablander et al.: Identifying interventions that change intentions lays a valuable foundation for behavior change, *Proc. Natl. Acad. Sci.,* 122, e2513159122, doi: 10.1073/pnas.2513159122, 2025.
- **Mann, M.E**., Hotez, P.J., A Trip Threat to Humanity: Climate Change, Pandemics, and Antiscience, *Skeptical Inquirer*, 45, 20-21, Jan/Feb 2025.
- **Mann, M.E**., Foreword to *Empowering to Confront the Climate Crisis in English Language Arts*, by A. Webb, R. Beach, and J. Share, College Press, 2025.
- **Mann, M.E**., Foreword to *How to Teach Grown-Ups About Climate Change: The cutting-edge science of our changing planet* by P. Daniels, What On Earth Books, 2024.
- **Mann, M.E.**, Cat 6 Hurricanes Have Arrived, *Proc. Nat. Acad. Sci.*, 121, e2322597121. doi: 10.1073/pnas.2322597121, 2024.
- Day, J., Anthony, A.E., Costanza, R., Gunn, J., Hopkinson, C., **Mann, M.E.,** Morris, J., Quirk, T., Rovai, A., Rybczyk, J., Spencer, T., Syvitski, J., Twilley, R., Visser, J., White, J., A Review of Major Issues Related to Coastal Wetlands in the Anthropocene, in *Treatise on Estuarine and Coastal Systems***,** Global Change Effects on Estuarine and Coastal Ecosystems (2nd edition)**,** Elsevier, doi:10.1016/B978-0-323-90798-9.00112-8, 2024.
- **Mann, M.E.,** Catastrophic climate change: Lessons from the dinosaurs, *Bulletin of the Atomic Scientists*, *79,* 353-359, 2023.
- **Mann, M.E.**, Climate Doomism Disregards the Science -- Climate change is a highway, not a cliff, and we can still take the exit ramp, *American Physical Society Newsletter*, Sep 26 2023.
- Friedman, H., **Mann, M.**, Brown, N. & Lewandowsky, S. Public debate, scientific skepticism, and science denial. In B. Radford & K. Frazier, K. (Eds.) (2024). Unreason: Best of skeptical inquirer (pp. 96-102), Prometheus, 2023.
- **Mann, M.E.,** Foreword "Tempests in a Greenhouse: Assessing Coastal Risk in a Changing Climate", *Hurricane Risk in a Changing Climate*, edited by Jennifer M. Collins and James M. Done, in series "Hurricane Risk" (volume 2), Springer, 2022.
- **Mann, M.E**., Reflections on Leo Szilard, The Fragility of Truth and the Role of the Scientist in the Public Sphere, *Physics and Society Newsletter*, American Physical Society, vol. 51, no. 3., July 2022.
- **Mann, M.E.,** Das letzte Gefecht ("The Last Battle"), in "*Median in Der Klime-Krise"***,** edited by Ralph Brixe, Created by Klima vor acht, Oekom publishing (Germany), 2022.
- **Mann, M.E.,** Resisting the New Denialism, in "*The Climate Book"***,** Created by Greta Thunberg, Penguin Random House, 2022.
- **Mann, M.E.,** The legacy of Rajendra Pachauri: a personal reflection, in "*Dr R K Pachauri: The Crusader Against Climate Change"*, Yateendra Joshi, P K Jayanthan, Vibha Dhawan, Amit Kumar, Rakesh Kacker (ed.s), TERI Alumni Association, 2 pp, 2022.
- Verbitsky, M., **Mann, M.E.**, A Global Warming Scaling Law, ESD Ideas, Earth System Dynamics (discussion paper), doi.org/10.5194/esd-2021-87, 2021.
- **Mann, M.E.,** Hall, L.J., Dulvy, N., Scientific Impact in a Changing World, *Cell* ("Voices"), 184, 407-408, 2021
- **Mann, M.E.,** The president needs to hit the ground running on climate, *Bulletin of the Atomic Scientists*, Jan 2021.

- **Mann, M.E.,** From Climate Scientist to Climate Communicator: A Process of Evolution, in "*Standing up for a Sustainable World: Voices of Change"*, Claude Henry, Johan Rockström, and Nicholas Stern (ed.s), Edward Elgar Publishing, 5 pp, 2020.
- Buckland, P.D., Robinson, B.J., **Mann, M.E.,** Science Alone will not Save Us. Civic Engagement Might, in "*Teaching Climate Change in the United States"***,** Taylor & Francis Group, Joseph Henderson, Andrea Drewes (ed.s), Routledge, 14 pp, 2020.
- **Mann, M.E**., How to Win the New Climate War, *Skeptical Inquirer*, 42, 62, Jan/Feb 2020.
- **Mann, M.E**., Australia, Your Country Is Burning—Dangerous Climate Change Is Here With You Now, *Eos*, Jan 7 2020.
- **Mann, M.E**., Radical reform and the Green New Deal, *Nature*, 573, 340-341, 2019.
- Hagedorn, G., Kalmus, P., **Mann, M.,** Vicca, S., Van den Berge, J., van Ypersele, J.-P., Bourg, D., Rotmans, J., Karronen, R., Rahmstorf, S., Kromp-Kolb, H., Kirchengast, G., Knutti, R., Seneviratne, S.I., Thalmann, P., Cretney, R., Green, A., Anderson, K., Hedberg, M., Nilsson, D., Kuttner, A., Hayhoe, K., Concerns of Young Protestors are Justified, *Science*, 364, 139-140, 2019.
- **Mann, M.E.,** The Weather Amplifier, *Scientific American*, 320, 43-49, 2019.
- **Mann, M.E.,** College Students Are Critical to Tackling Climate Change, *Knowledge Review*, August 2018.
- Restrepo, J.M., **Mann, M.E.,** Uncertainty in Climate Science: Not Cause for Inaction, *Society of Industrial and Applied Mathematics News*, 51, p. 1,5, May 2018.
- **Mann, M.E.**, Reconciling Climate Model/Data Discrepancies: The Case of the 'Trees That Didn't Bark', in *Climate Modelling: Philosophical and Conceptual Issues* (ed.s E.A. Lloyd & E. Winsberg), Springer Nature, Switzerland, 175-197, 2018.
- Garner, A., Kopp, R.E., Horton, B.P., **Mann, M.E.**, Alley, R.B., Emanuel, K.A., Lin, N., Donnelly, J.P., Kemp, A.C., DeConto, R.M., Pollard, D., New York City's evolving flood risk from hurricanes and sea level rise, Variations/Exchanges, U.S. CLIVAR, 16, 30-35, Winter 2018.
- Restrepo, J.M., **Mann, M.E.,** This is how "Climate is Always Changing", *American Physical Society Group on Physics of Climate Newsletter*, 9, 1-5, Feb 2018.
- **Mann, M.E.,** Time for a Different Story, *New Scientist*, Feb. 24, 2018.
- **Mann, M.E**., While Hurricanes Ravage the United States, Climate-Science Criticism Continues: An Exchange, *Skeptical Inquirer*, 42, 62, Jan/Feb 2018.
- Reichman, H., **Mann, M.E.**, Scott, J.W., West-Eberhard, M.J., Xi, X., Levy, A., National Security, the Assault on Science, and Academic Freedom: *Assault on Science and Academic Freedom Threatens the Public Good and International Stature of US,* American Association of University Professors, Dec 2017.
- **Mann, M.E**., Brevini, B., An Interview with Michael E. Mann: Fighting for Science Against Climate Change Deniers' Propaganda, in "*Carbon Capitalism and Communication Confronting Climate Crisis"***,** Palgrave Studies in Media and Environmental Communication, Benedetta Brevini and Graham Murdock (ed.s), Springer, p. 23-30, 2017.
- **Mann, M.E**., review of The Demon-Haunted World: Science as a Candle in the Dark, in Summer Books, *Nature*, 546, 28-29, 2017.
- **Mann, M.E.,** Al Gore gets inconvenient again, *Nature*, 546, 400-401, 2017.
- **Mann, M.E.**, Joy-Hassol, S., Climate Trumps Everything, *Scientific American*, 316, 8, 2017.
- Lewandowsky, S., **Mann, M.E**., Brown, N.J.L., Friedman, H., Public Debate, Scientific Skepticism, and Science Denial**,** *Skeptical Inquirer*, 41, 40-43, Jan/Feb 2017.
- Bateman, T.S., **Mann, M.E.**, The supply of climate leaders must grow, *Nature Climate Change* 6, 1052-1054, 2016.

- **Mann, M.E.**, Oreskes, N., Emanuel, K.A., AGU Should Sever Its Ties with ExxonMobil, *Eos,* 97*,* 8-9, doi:10.1029/2016EO061455, 2016.
- **Mann, M.E.,** The Hockey Stick and Climate Wars (preface), in *Energy Accounts: Architectural Representations of Energy, Climate, and the Future*, Dan Willis, William K. Braham, Katsuhiko Muramoto and Daniel A. Barber (ed.s), Routledge, 2016.
- **Mann, M.E.,** Strategies for Reducing Greenhouse Gas Emissions, in "Energy for the 21st Century" (chapter 8), *McKnight's Physical Geography* (12th edition) by D. Hess and D.G. Tasa, Pearson, p. 246, 2016.
- **Mann, M.E.,** Disappearing and Novel Climates, in "Global Environmental Change" (chapter 8), *McKnight's Physical Geography* (12th edition) by D. Hess and D.G. Tasa, Pearson, p. 245, 2016.
- **Mann, M.E.,** Transitioning from Fossil Fuels, in "Energy for the 21st century" (chapter 3), *McKnight's Physical Geography* (12th edition*)*, by D. Hess and D.G. Tasa, Pearson, p. 68, 2016.
- **Mann, M.E.,** Why we need to stop fake claims that global warming paused, *New Scientist*, Mar. 3., 2016.
- **Mann, M.E.,** Must Try Harder, *New Scientist*, p. 28-29, Feb. 20, 2016.
- **Mann, M.E.**, Two Degrees of Freedom, *Scientific American*, 313, 12, 2015.
- Oreskes, N., Carlat, D, **Mann, M.E.**, Thacker, P.D., vom Saal, F.S., Why Disclosure Matters, *Environmental Science & Technology*, 49, 7527-7528, 2015.
- Halpern, M., **Mann, M.**, Transparency Versus Harassment (editorial), *Science*, 479, 348, 2015.
- **Mann, M.E.**, Gleick**,** P.H., Climate Change and California Drought in the 21st Century, *Proc. Nat. Acad. Sci*., 112, 3858-3859, 2015.
- **Mann, M.E.,** The Serengeti strategy: How special interests try to intimidate scientists, and how best to fight back, *Bulletin of the Atomic Scientists*, 71, 33-45, 2015.
- **Mann, M.E.,** The Little Ice Age, in *Dictionary of Energy* (second edition*)*, C.L. Cleveland and C.R. Morris (ed.s), Elsevier, Amsterdam, the Netherlands, 2014.
- **Mann, M.E.**, Science and the Media Collide, *Global Energy Affairs*, July 2014.
- **Mann, M.E.**, Global Warming, in *Encyclopedia Britannica* (updated), 2014.
- **Mann, M.E.**, False Hope, *Scientific American*, 310, 78-81, 2014.
- Lewandowsky, S., **Mann, M.E.**, Bauld, L., Hastings, G., Loftus, E.F., The Subterranean War on Science, *The Observer* (Association for Psychological Science), 26, 9, 2013
- Wright, C., **Mann, M.E.,** Future imaginings and the battle over climate science: an interview with Michael Mann, *Organization*, 20, 748-756, 2013.
- **Mann, M.E**., Foreword, Ocean Sciences Sequence for Grades 6-8: The Ocean-Atmosphere Connection and Climate Change, *Great Explorations in Math and Science ("GEMS")*, Lawrence Hall of Science, University of California-Berkeley, 2013.
- **Mann, M.E.,** Climate Change Science: A Summary, Recent Updates, and Resources, in *Climate Change Education: A Primer for Zoos and Aquariums*, Alejandro Grajal and Susan R. Goldman (ed.s), Chicago Zoological Society (electronic book), 2012.
- Grajal, A., Goldman, S.R., **Mann, M.E.,** Climate Change Education at Zoos and Aquariums: Where do we go from here?, in *Climate Change Education: A Primer for Zoos and Aquariums*, Alejandro Grajal and Susan R. Goldman (ed.s), Chicago Zoological Society (electronic book), 2012.
- **Mann, M.E.,** Placing vast arrays of mirrors in space has obvious economic feasibility issues, *BBC Knowledge*, February, 2012.
- **Mann, M.E.,** Can we solve climate change with geoengineering, *BBC Focus*, December, 2011.

- Kemp, A.C., Horton, B.P., Donnelly, J.P., **Mann, M.E.**, Vermeer, M., Rahmstorf, S., Reply to Grinsted et al.: Estimating land subsidence in North Carolina, *Proc. Nat. Acad. Sci*., 108, E783, 2011.
- **Mann, M.E.**, On Long Range Dependence in Global Surface Temperature Series, *Climatic Change*, 107, 267–276, 2011.
- **Mann, M.E.,** Hockey Stick, in *Encyclopedia of Climate and Weather* (second edition*)*, S.H. Schneider (ed), Oxford University Press, Oxford, UK, 2011.
- **Mann, M.E**., Foreword for series (volumes 1-10): *Confronting Global Warming*, Ed. Mann, M.E., Greenhaven Press, Detriot, 2011.
- Schmidt, G.A., **Mann, M.E.,** Rutherford, S.D., A comment on "A statistical analysis of multiple temperature proxies: Are reconstructions of surface temperatures over the last 1000 years reliable?" by McShane and Wyner. *Ann. Appl. Stat.*, 5, 65–70, 2011.
- Diaz, H.F., Trigo, R., Barriopedro, D., Xoplaki, E., Hughes, M., **Mann, M.E.**, The Medieval Warm Period redux: Where and when was it warm? (Workshop Reports), *PAGES* Newsletter, 19, 32, 2011.
- Goosse, H., Guiot, J., **Mann, M.E.**, Dubinkina, S., Sallaz-Damaz, Y., The Medieval Climate Anomaly in Europe in simulations with data assimilation (Science Highlights), *PAGES Newsletter,* 19, 12-13, 2011.
- Bowman, T.E., Maibach, E., **Mann, M.E**., Somerville, R.C.J., Seltser, B.J., Fischhoff, B., Gardiner, S.M., Gould, R.J., Leiserowitz, A., Yohe, G., Time to Take Action on Climate Communication, *Science*, 330, 1044, 2010.
- **Mann, M.E.**, Ehrlich, P.R., Rahmstorf, S., Setting the record straight (again), *Nature*, 467, 920, 2010.
- Allison, I., N. L. Bindoff, R.A. Bindoff, R.A. Bindschadler, P.M. Cox, N. de Noblet, M.H. England, J.E. Francis, N. Gruber, A.M. Haywood, D.J. Karoly, G. Kaser, C. Le Quéré, T.M. Lenton, **M.E. Mann**, B.I. McNeil, A.J. Pitman, S. Rahmstorf, E. Rignot, H.J. Schellnhuber, S.H. Schneider, S.C. Sherwood, R.C.J. Somerville, K.Steffen, E.J. Steig, M. Visbeck, A.J. Weaver, *The Copenhagen Diagnosis, 2009: Updating the world on the Latest Climate Science*, The University of New South Wales Climate Change Research Centre (CCRC), Sydney, Australia (2009), 60pp. [republished as *The Copenhagen Diagnosis: Updating the world on the Latest Climate Science* , Elsevier (2011), 98pp.]
- Steig, E.J., Schneider, D.P. Rutherford, S.D., **Mann, M.E.**, Comiso, J.C., Shindell, D.T., Corrigendum: Warming of the Antarctic ice-sheet surface since the 1957 International Geophysical Year, *Nature*, 457, 459-462, 2009.
- Bowman, T.E., Maibach, E., **Mann, M.E**., Moser, S.C., Somerville, R.C.J., Creating a common climate language, *Science*, 324, 37, 2009.
- **Mann, M.E.,** Defining Dangerous Anthropogenic Interference, *Proc. Nat. Acad. Sci*., 106, 4065-4066, 2009.
- **Mann, M.E.,** Bradley, R.S., Hughes, M.K., Reply to McIntyre and McKitrick: Proxy-based temperature reconstructions are robust, *Proc. Nat. Acad. Sci*., 106, E11, 2009.
- **Mann, M.E.**, Climate Variability and Change, Last 1000 years, *Encyclopedia of Paleoclimatology and Ancient Environments,* (ed. V. Gornitz), Springer, Dordrecht, The Netherlands, 178-180, 2009.
- Goosse, H., **Mann, M.E.**, Renssen, H., Climate of the Past Millennium: Combining Proxy Data and Model Simulations, in *Global Warming and Natural Climate Variability: A Holocene Perspective* (eds R.W. Battarbee & H.A. Binney), Blackwell, Oxford, UK, 164-188, 2008.
- Goosse, H., **Mann, M.E.**, Rennsen, H., and A. Timmermann, Data assimilation over the last millennium using ensemble techniques, *PAGES News*, 16, 15-16, 2008.
- **Mann, M.E.**, Global Warming, in *Encyclopedia Britannica*, 2008.

- Delworth, T.L., Zhang, R., **Mann, M.E.,** Decadal to Centennial Variability of the Atlantic from Observations and Models, in *Past and Future Changes of the Oceans Meridional Overturning Circulation: Mechanisms and Impacts*, A. Schmittner, J. C. H. Chiang, and S.R. Hemming (eds), Geophysical Monograph Series 173, American Geophysical Union, 131-148, 2007.
- **Mann, M.E.,** The Last Millennium, in *Encyclopedia of Quaternary Science*, S.A. Elias (ed), Elsevier, Amsterdam, the Netherlands, 1995-2002, 2007.
- **Mann, M.E.**, Briffa, K.R., Jones, P.D., Kiefer, T., Kull, C., Wanner, H., Past Millennia Climate Variability, *Eos*, 87, 526-527, 2006.
- Bradley, R.S., Hughes, M.K., **Mann, M.E.,** Authors were clear about hockey-stick uncertainties, *Nature*, 442, 627, 2006.
- **Mann, M.E.,** Hughes, M.K., A Not-So-Abrupt Departure, *Science*, 312, 528-529, 2006.
- **Mann, M.E.,** Testing the Fidelity of Climate Reconstruction Methods, in 'Papers of Note', *Bull. Am. Met. Soc.*, 87, 166-167, 2006.
- Luterbacher, J., E. Xoplaki, C. Casty, H. Wanner, A. Pauling, M. Kuettel, T. Rutishauser, S. Broennimann, E. Fischer, D. Fleitmann, JF. Gonzalez-Rouco, R. Garcia-Herrera, M. Barriendos, FS. Rodrigo, JC. Gonzalez-Hidalgo, MA. Saz, L. Gimeno, P. Ribera, M. Brunet, H. Paeth, N. Rimbu, T. Felis, J. Jacobeit, A. Duenkeloh, E. Zorita, J. Guiot, M. Turkes, MJ. Alcoforado, R. Trigo, D. Wheeler, SFB. Tett, **M.E. Mann**, R. Touchan, DT. Shindell, S. Silenzi, P. Montagna, D.Camuffo, A. Mariotti, T. Nanni, M. Brunetti, M. Maugeri, C. Zerefos, S. De Zolt, P. Lionello, MF. Nunes, V. Rath, H. Beltrami, E. Garnier, and E. Le Roy Ladurie, Mediterranean Climate Variability over the Last Centuries: A Review, in *The Mediterranean Climate: an overview of the main characteristics and issues*, P. Lionello, P. Malanotte-Rizzoli, and R. Boscolo (eds), Elsevier, Amsterdam, the Netherlands, 27-148, 2006.
- Jacob, D.J, Avissar, R., Bond, G.C., Gaffin, S.,. Kiehl, J.T., Lean, J.L., Lohmann U., **Mann, M.E**., Pielke, R.A., Ramanathan, V., Russell, L.M., Radiative Forcing of Climate Change: Expanding the Concept and Addressing Uncertainties, National Research Council, Board on Atmospheric Sciences and Climate, 2005.
- **Mann, M.E.**, Bradley, R.S., and Hughes, M.K., Corrigendum: Global-Scale Temperature Patterns and Climate Forcing Over the Past Six Centuries, *Nature*, 430, 105, 2004.
- Rutherford, S., **Mann, M.E.**, Correction to "Optimal surface temperature reconstructions using terrestrial borehole data", *Journal of Geophysical Research,* 109 (D11), 107, doi: 10.1029/2003JD004290, 2004.
- **Mann, M.E.**, Ammann, C.M., Bradley, R.S., Briffa, K.R., Crowley, T.J., Hughes, M.K., Jones, P.D., Oppenheimer, M., Osborn, T.J., Overpeck, J. T., Rutherford, S., Trenberth, K.E., Wigley, T.M.L., Response to Comment on "On Past Temperatures and Anomalous Late 20th Century Warmth", *Eos*, 84, 473, 2003.
- **Mann, M.E.**, Paleoclimate, Global Change, and the Future (book review), *Eos*, 84, 419-420, 2003.
- **Mann, M.E.**, Ammann, C.M., Bradley, R.S., Briffa, K.R., Crowley, T.J., Hughes, M.K., Jones, P.D., Oppenheimer, M., Osborn, T.J., Overpeck, J. T., Rutherford, S., Trenberth, K.E., Wigley, T.M.L., On Past Temperatures and Anomalous Late 20th Century Warmth, *Eos*, 84, 256-258, 2003.
- **Mann, M.E.**, Reconstructing Temperature Variations, in *Yearbook of Science & Technology*, McGraw-Hill, New York, pp. 354-358, 2003.
- **Mann, M.E.**, The Value of Multiple Proxies (invited 'perspective' article), *Science,* 297, 1481-1482, 2002.
- **Mann, M.E.,** Hughes, M.K., Tree-Ring Chronologies and Climate Variability, *Science*, 296, 848, 2002.

- Bradley, R.S., Briffa, K.R., Crowley, T.J., Hughes, M.K., Jones, P.D, **Mann, M.E.**, Scope of Medieval Warming, *Science*, 292, 2011-2012, 2001.
- **Mann, M.E.**, Bradley, R.S., Briffa, K., Cole, J., Hughes, M.K., Jones, J.M., Overpeck, J.T., von Storch, H., Wanner, H., Weber, S.L., Widmann, M., Reconstructing the Climate of the Late Holocene, *Eos*, 82, 553, 2001.
- **Mann, M.E.**, Medieval Climatic Optimum, MacCracken, M.C. & Perry, J.S. (eds) *Encyclopedia of Global Environmental Change,* John Wiley and Sons Ltd, London, UK, pp. 514-516, 2001.
- **Mann, M.E.**, Little Ice Age, MacCracken, M.C. & Perry, J.S. (eds) *Encyclopedia of Global Environmental Change,* John Wiley and Sons Ltd, London, UK, pp. 504-509, 2001.
- Folland, C.K., Karl, T.R., Christy, J.R., Clarke, R. A., Gruza, G.V., Jouzel, J., **Mann, M.E**., Oerlemans, J., Salinger, M.J., Wang, S.-W., Observed Climate Variability and Change, in *Climate Change 2001: The Scientific Basis,* Houghton, J.T., et al. (eds.), Cambridge Univ. Press, Cambridge, 99-181, 2001.
- Bradley, R.S., Hughes, M.K. and **Mann, M.E.,** Comment on "Detection and Attribution of Recent Climate Change: A Status Report", *Bulletin of the American Meteorological Society*, 81, 2987-2990**,** 2000.
- **Mann, M.E.**, Bradley, R.S., Hughes, M.K., Long-term variability in the El Nino Southern Oscillation and associated teleconnections, Diaz, H.F. & Markgraf, V. (eds) *El Nino and the Southern Oscillation: Multiscale Variability and its Impacts on Natural Ecosystems and Society*, Cambridge University Press, Cambridge, UK, 357-412, 2000.
- **Mann, M.E.**, Lessons For a New Millennium (invited 'perspective' article), *Science*, 289, 253-254, 2000.
- **Mann, M.E.**, Bradley, R.S., Hughes, M.K. and Jones, P.D., Global Temperature Patterns, *Science*, 280, 2029-2030, 1998.
- Beniston, M., Pielke, R.A., Arpe, K., Keuler, K., Laprise, R., **Mann, M.E.**, Rinke, A., Parker, D.E., Climate Modelers Meet in Switzerland, *Eos*, 78, 383, 1997.

Other Publications

- **Mann, M.E.** and Hotez, P., Support Scientists Who Stand Up, *American Scientist*, September-October, 2025.
- **Mann, M.E.**, Extreme Heat, Palm Trees and Crocodiles in Wyoming and the Craziest Climate Crisis Theory of Them All, *Rolling Stone*, Oct 8 2023.
- Patterson, S. Jr., **Mann, M.E.,** Public Disapproval of Disruptive Climate Change Protests, Annenberg Public Policy Center/Penn Center for Science Sustainability and the Media, Nov 14 2022.
- Buck, P., **Mann, M.E.**, Robinson, B., Climate and energy management require civic energy, Penn State Institutes for Energy and the Environment (PSIEE), Jul 6, 2021.
- **Mann, M.E.,** Preface to Report on "The Case Against Fossil Fuels", *Greenpeace Australia Pacific*, Jun 30, 2021.
- Wright, C., **Mann, M.E.**, From denial to "resilience": The slippery discourse of obfuscating climate action, *Sydney Environment Institute*, Feb 20 2020.
- Tschakert, P., **Mann, M.E**., Wagener, T., *Climate Risk Management and Adaptation Strategies in the Developing World*, White Paper for NOAA's Office of Oceanic and Atmospheric Research Climate Program Office, May 2009.

- **Mann, M.E.,** Paleoclimate Implications for Recent Human Influence on Climate, *International Seminar on Nuclear War and Planetary Emergencies, Nuclear Strategy and Peace Technology*, The Science and Culture Series, edited by A. Zichichi, R. Ragaini, pp. 86-91, 2003.
- **Mann, M.E.,** Bradley, R.S., Hughes, M.K., Large-Scale Surface Temperature Changes During the Past Millennium, *Abstracts of AMQUA annual meeting,, Fayetteville, Arkansas, May 22-24,* pp 17-12, 2000.
- Jones, P.D., Briffa, K.R., Osborn, T.J., **Mann, M.E.**, Bradley, R.S., Hughes, M.K., Cover Figure for World Meteorological Organization (WMO) 50th Year Anniversary Publication*: Temperature changes over the last Millennium*, 2000.
- M.K. Hughes, **Mann, M.E.,** Bradley, R.S., 1000 years of Northern Hemisphere temperature from natural archives. *Abstracts of PAGES Workshop on South Asian Paleoenvironments, Pune, India, February 4-5,* pp 11-15, 2000.
- M.K. Hughes, **Mann, M.E.,** Bradley, R.S., Climate variability of the last 1000 years from annual-resolution natural archives. *Proceedings of CCV99, International Conference on Climate Change and Variability, Tokyo Metropolitan University, September 1999*.
- **Mann, M.E.**, Bradley, R.S., Global Climate Variations over the Past 250 Years: Relationships With the Middle East, *Transformations of Middle Eastern Natural Environments: Legacies and Lessons*, Yale School of Forestry and Environmental Studies Bulletin Series, 103, 429-443, 1998.
- **Mann, M.E.**, On Reconstructing Past Centuries' Temperatures, *World Climate Report*, 3, 26, 6-7, 1998.
- **Mann, M.E.**, *A Study of Ocean-Atmosphere Interaction and Low Frequency Variability of the Climate System*, PhD Thesis, 283pp, Yale University, New Haven, CT, 1998.
- **Mann, M.E.**, Bradley, R.S., Hughes, M.K., Multiproxy based reconstructions of large-scale surface temperature patterns during the past several centuries, *Proceedings of the Ninth Symposium on Global Change Studies*, Phoenix, AZ, January 1998.
- Rajagopalan, B., **Mann, M.E.**, Lall,U., Climatic forecasting based on multivariate frequency and time domain-based prediction, *Proceedings of the Eighth Symposium on Global Change Studies*, Long Beach, CA, February 1997.
- **Mann, M.E.**, Bradley, R.S., Hughes, M.K., Large-Scale Climatic Reconstructions Based on High-Resolution Multi-Proxy Data, *Proceedings of the Eighth symposium on Global Change Studies*, Long Beach, CA, February 1997.
- **Mann, M.E.**, Rajagopalan, B., Moon, Y.I., Lall, U., Climatic forecasting based on multivariate frequency and time domain-based predictions, *Proceedings of the 13th Conference on Probability & Statistics in the Atmospheric Sciences*, American Meteorological Society, San Francisco, CA, February 1996.
- Moon, Y.I., Lall, U., Rajagopalan, B., **Mann, M.E.**, Forecasting hydroclimatic variables using a nonparametric, nonlinear time series model, *Proceedings of the 13th Conference on Probability & Statistics in the Atmospheric Sciences*, American Meteorological Society, San Francisco, CA, February 1996.
- Marshall, S., **Mann, M.E.**, Oglesby, R.J., Saltzman, B., A comparison of the CCM1-simulated climates for pre-industrial and present-day CO2 levels, *Proceedings of the 6th Conference on Climate Variations*, American Meteorological Society, 12-15, Nashville, TN, January 1994.
- **Mann, M.E.**, Park, J., Globally correlated variability in surface temperatures, *Proceedings of the 6th Conference on Climate Variations*, American Meteorological Society, 297-301, Nashville, TN, January 1994.

Online Commentaries/Blogs

- **Mann, M.E.,** Comments on National Academy of Sciences Report on Climate Change & Extreme Weather Event Attribution, *MichaelMann.net/blog*, Jul 16 2026.
- **Mann, M.E.,** Urgency & Agency, *MichaelMann.net/blog*, Jun 8 2026.
- **Mann, M.E.,** Heating up to Expectations, *MichaelMann.net/blog*, May 11 2026.
- **Mann, M.E.,** Science Under Siege — The NCAR development, *MichaelMann.net/blog*, Dec 17 2025.
- **Mann, M.E.,** Bad COP, *MichaelMann.net/blog*, Nov 22 2025.
- **Mann, M.E.**, Science Truly is Under Siege, *The Network* (email newsletter), The Years Project, Nov 20 2025.
- **Mann, M.E.,** The intensification of the strongest nor'easters, *MichaelMann.net/blog*, Jul 14 2025.
- **Mann, M.E**., Atmospheric Warming and Planetary Wave Amplification, *MichaelMann.net/blog*, Jun 16 2025.
- **Mann, M.E**., Reflections on the 2024 Atlantic Hurricane Season, *MichaelMann.net/blog*, Nov 27 2024.
- Campbell, E., Lutzke, L., Kostick, H., **Mann, M.**, Communicating Policy: Raising IRA Awareness in Philadelphia, Insight blog, *Kleinman Center for Energy Policy*, University of Pennsylvania, Jul 12 2024.
- **Mann, M.E.**, Weihl, B., Beyond COP: Companies Must Speed the "Transition" Away from Fossil Fuels, *LinkedIn,* Dec 19 2023.
- **Mann, M.E**., Comments on New Article by James Hansen, *MichaelMann.net/blog*, Nov 2 2023.
- Oreskes, N., **Mann, M.E.**, When it Comes to Population, The Atlantic Misrepresents Both History and the Present, *MichaelMann.net/blog*, May 23, 2023.
- **Mann, M.E**., The Best Climate Science You've Never Heard Of, *MichaelMann.net/blog*, Feb 26, 2022.
- **Mann, M.E**., "The Science of Climate Humor!", *The Ecologist* (original: *MichaelMann.net/blog*), Jan 5, 2022.
- **Mann, M.E**., "Don't Look Up. But do see this film!", *Red Green & Blue* (original: *MichaelMann.net/blog*), Dec 21, 2021.
- **Mann, M.E**., My Comments on New National Academy Report on Ocean-Based Carbon Dioxide Removal, *MichaelMann.net/blog*, Dec 8, 2021.
- **Mann, M.E**., "A Tale of Two Hockey Sticks", *RealClimate.org*, Aug 9, 2021.
- **Mann, M.E**., "On The New WMO 'Annual to Decadal' Climate Report", *MichaelMann.net/blog*, May 26, 2021.
- Kossin, J., Hall, T., **Mann, M.**, Rahmstorf, S., Should the official Atlantic hurricane season be lengthened? *RealClimate.org*, Apr 2, 2021.
- **Mann, M.E**., "Correction Delayed is Correction Denied: Botched Coverage of "Geoengineering" Report by the New York Times, *Red Green & Blue* (original: *MichaelMann.net/blog*), Mar 31, 2021.
- **Mann, M.E**., My Comments on New National Academy Report on Geoengineering", *Red Green & Blue* (and *MichaelMann.net/blog*), Mar 25, 2021
- **Mann, M.E**., The Rise and Fall of the "Atlantic Multidecadal Oscillation", *RealClimate.org, Red Green & Blue* (original: *MichaelMann.net/blog*), Mar 4, 2021
- **Mann, M.E**., for "GeoPolicy: Communicating A Global Climate Crisis – your questions answered!", European Geophysical Union Blogs, Aug 7, 2020.

- **Mann, M.E**., The Salem News Promotes Deadly Disinformation, *MichaelMann.net/blog*, May 6, 2020.
- **Mann, M.E**., Comments on New 'World Weather Attribution' Analysis of Australian Bushfires, *MichaelMann.net/blog*, Mar 4, 2020.
- **Mann, M.E**., The STORY about the 'business as usual' story is misleading, *MichaelMann.net/blog*, Jan 29, 2020.
- **Mann, M.E**., The Letter-to-Editor that the Lethebridge Herald Refused to Run, *MichaelMann.net/blog*, Dec 2, 2019.
- **Mann, M.E**., Oral Opening Statement from Michael Mann Testimony to U.S. House Oversight Committee Hearing on Climate Change & Natural Disasters, *MichaelMann.net/blog*, Jun 25, 2019.
- **Mann, M.E**., My Interview With Al Franken, *MichaelMann.net/blog*, Jun 24, 2019.
- **Mann, M.E**., On the Importance of Diversity in Climate Communication, *MichaelMann.net/blog*, Jun 17, 2019.
- **Mann, M.E**., Vice: A Commentary on the Politics of Climate Denial, *MichaelMann.net/blog*, Jan 7, 2019.
- **Mann, M.E**., Climate Change and Extreme Summer Weather Events – The Future is still in Our Hands, *RealClimate.org* (original: *MichaelMann.net/blog*), Oct 31, 2018
- **Mann, M.E**., On Tropical Atlantic Warmth and Hurricanes, *MichaelMann.net/blog*, Sep 28, 2018.
- **Mann, M.E**., Hurricane Florence—A Climate Change Triple Threat, *MichaelMann.net/blog*, Sep 15, 2018.
- **Mann, M.E**., We Need New Leadership, *MichaelMann.net/blog*, Sep 5, 2018.
- **Mann, M.E**., A Return to the Madhouse, *MichaelMann.net/blog*, Jul 24, 2018.
- Rahmstorf, S., **Mann, M.**, Does a slow AMOC increase the rate of global warming? *RealClimate.org*, Jul 18, 2018.
- Rahmstorf, S., Emanuel, K., **Mann, M.**, Kossin, J., Does global warming make tropical cyclones stronger? *RealClimate.org*, May 30, 2018.
- **Mann, M.E**., Dutton, A.L., Our Response to the Latest Climate Change-Denying Wall Street Journal Op-Ed**,** *MichaelMann.net/blog*, May 22, 2018.
- **Mann, M.E**., Climate Change Denial in the Age of Trump, *MichaelMann.net/blog*, Jan 28, 2018.
- **Mann, M.E**., A Sensitive Topic, *MichaelMann.net/blog*, Jan 26, 2018.
- **Mann, M.E**., Welcome to the Michael Mann Blog! *MichaelMann.net/blog*, Jan 15, 2018.
- Archer, D., Benestad, R., Bradley, R., **Mann, M.**, Pierrehumbert, R., Rahmstorf, S., Steig, E., Don't make a choice that your children will regret, *RealClimate.org*, Nov 4, 2016.
- **Mann, M.E.,** The Likelihood of Recent Record Warmth, *RealClimate.org*, Jan 25, 2016.
- **Mann, M.E.,** Climate Oscillations and the Global Warming Faux Pause, *RealClimate.org*, Feb 26, 2015.
- **Mann, M.E.,** Schmidt, G., A Bit More Sensitive, *RealClimate.org*, Jan 2, 2014.
- **Mann, M.E.,** Language Intelligence – Lessons on persuasion from Jesus, Shakespeare, Lincoln, and Lady Gaga: A Review, *RealClimate.org*, Aug 20, 2012.
- **Mann, M.E.,** Schmidt, G., Steig, E., Tree Rings and Climate: Some Recent Developments, *RealClimate.org*, July 8, 2012.
- **Mann, M.E.,** Global Temperatures, Volcanic Eruptions, and Trees that Didn't Bark, *RealClimate.org*, Feb 6, 2012.
- **Mann, M.E.**, Steig, E., Rahmstorf, S., Bouldin, J., Pierrehumbert, R., Archer, D., A Well Deserved Honor, *RealClimate.org*, October 18, 2011.

- Schmidt, G., **Mann, M.E.,** Responses to McShane and Wyner, *RealClimate.org*, December 13, 2010.
- **Mann, M.E**., A Eulogy to Stephen Schneider, *RealClimate.org*, July 19, 2010.
- Schmidt, G., **Mann, M.E.,** The Muir-Russell report, *RealClimate.org*, July 7, 2010.
- **Mann, M.E.,** What we can learn from studying the last millennium (or so), *RealClimate.org*, May 15, 2010.
- **Mann, M.E.,** Climate Cover Up: A (Brief) Review, *RealClimate.org*, October 20, 2009.
- **Mann, M.E.,** Schmidt, G., Communicating Science: Not Just Talking the Talk, *RealClimate.org*, September 16, 2009.
- **Mann, M.E.,** Unscientific America: A Review, *RealClimate.org*, July 8, 2009.
- Schmidt, G., **Mann, M.E.,** Winds of Change, *RealClimate.org*, June 11, 2009.
- **Mann, M.E.,** Communicating the Science of Climate Change, *RealClimate.org*, January 12, 2009.
- **Mann, M.E.**, Schmidt, G., Not the IPCC ("NIPCC") Report, *RealClimate.org*, November 28, 2008.
- Benestad, R., **Mann, M.E.**, Climate Change and Tropical Cyclones (Yet Again), *RealClimate.org*, May 18, 2008
- Rahmstorf, S., **Mann, M.E.**, Bradley, R., Connolley, W., Archer, D., Ammann, C., Global Cooling-Wanna Bet?, *RealClimate.org*, May 8, 2008
- **Mann, M.E.**, Find the Error, *RealCimate.org*, November 9, 2007
- Schmidt, G., **Mann, M.E.,** Convenient Untruths, *RealClimate.org*, October 15, 2007
- **Mann, M.E.,** Worth a Look, *RealClimate.org*, September 20, 2007
- Schmidt, G., **Mann, M.E.,** Who ya gonna call?, *RealClimate.org*, August 22, 2007
- **Mann, M.E.**, Storm World: A Review, *RealClimate.org*, June 18, 2007
- **Mann, M.E.**, This Week, *RealClimate.org*, May 4, 2007
- **Mann, M.E.**, Schmidt, G., Hurricane Spin, *RealClimate.org*, April 24, 2007
- Schmidt, G., **Mann, M.E.**, Lindzen in Newsweek, *RealClimate.org*, April 17, 2007.
- **Mann, M.E.**, Schmidt, G., Broad Irony, *RealClimate.org*, March 13, 2007.
- **Mann, M.E.**, El Nino, Global Warming, and Anomalous U.S. Winter Warmth, *RealClimate.org*, January 8, 2007.
- Schmidt, G., **Mann, M.,** Archer, D.E., Rahmstorf, S., Connolley, W., Bradley, R., Consensus as the New Heresy, *RealClimate.org*, January 3, 2007.
- **Mann, M.E.,** Climate Change and Atlantic Hurricane Activity, guest article for Weather Channel website *One Degree*, December 5, 2006.
- **Mann, M.E.,** Schmidt, G., A Linkage Between the LIA and Gulf Stream, *RealClimate.org*, November 30, 2006.
- Schmidt, G., **Mann, M.E.,** Historical Climatology in Greenland, *RealClimate.org*, November 27, 2006.
- Schmidt, G., **Mann, M.E.,** The Trouble with Sunspots, *RealClimate.org*, September 13, 2006.
- **Mann, M.E.,** Schmidt, G., Tropical SSTs: Natural Variations or Global Warming, *RealClimate.org*, September 11, 2006.
- **Mann, M.E.,** Schmidt, G., Fact, Fiction, and Friction in the Hurricane Debate, *RealClimate.org*, August 18, 2006.
- **Mann, M.E.,** Jones, P.D., More on the Arctic, *RealClimate.org*, May 22, 2006.
- **Mann, M.E.**, A New Take on an Old Millennium, *RealClimate.org*, February 9, 2006.
- **Mann, M.E.**, Groundhog Day, *RealClimate.org*, February 2, 2006.
- Schmidt, G., **Mann, M.E.,** Decrease in Atlantic Circulation? *RealClimate.org*, November 30, 2005.
- **Mann, M.E.,** The False Objectivity of Balance, *RealClimate.org*, November 18, 2005.

- **Mann, M.E.,** Q&A: Global Warming, *RealClimate.org*, October 14, 2005.
- Schmidt, G., **Mann, M.E.,** Inhofe and Crichton: Together at Last! *RealClimate.org*, September 28, 2005.
- Rahmstorf, S., **Mann, M.E.,** Benestad, R., Schmidt, G., Connolley, W., Hurricanes and Global Warming – Is There a Connection? *RealClimate.org*, September 2, 2005.
- **Mann, M.E.,** Schmidt, G., Peer Review: A Necessary but not Sufficient Condition II, *RealClimate.org*, January 27, 2005.
- **Mann, M.E.,** Schmidt, G., Peer Review: A Necessary but not Sufficient Condition, *RealClimate.org*, January 20, 2005.
- **Mann, M.E.,** Rahmstorf, S., Schmidt, G., Steig, E., Connolley, W., Senator Inhofe on Climate Change, *RealClimate.org*, January 10, 2005.
- **Mann, M.E.,** On yet Another False Claim by McIntyre and McKitrick, *RealClimate.org*, January 6, 2005.
- **Mann, M.E.,** Michael Crichton's State of Confusion II: Return of the Science, *RealClimate.org*, December 15, 2004.
- **Mann, M.E.,** Schmidt, G., Climate Change Disinformation, *RealClimate.org*, December 11, 2004.
- **Mann, M.E.,** Weren't temperatures warmer than today during the "Medieval Warm Period"? *RealClimate.org*, December 10, 2004.
- **Mann, M.E.,** OK, But we Know it was Warmer than Present 6000 Years Ago, Don't We? *RealClimate.org*, December 10, 2004.
- **Mann, M.E.,** Temperature Variations in Past Centuries and the so-called "Hockey Stick", *RealClimate.org*, December 10, 2004.
- **Mann, M.E.,** Myth vs. Fact Regarding the "Hockey Stick", *RealClimate.org*, December 10, 2004.
- **Mann, M.E.,** False Claims by McIntyre and McKitrick regarding the Mann et al (1998) reconstruction, *RealClimate.org*, December 10, 2004.

Invited & Public Lectures, Panels and Events

- Closing keynote lecture, Au-delà de la courbe en crosse de hockey: comprendre le climat sur deux millénaires, *Le Havre Scientific Festival,* "Sur les Épaules des Géants", Le Havre, France, Sep 27 2026.
- Panel discussion, *The Santa Marta Central Bank Innovation Platform – The imaginable in Times of the Inevitable*, BelCham/Beyond Bretton Woods, NYC Climate Week event, New York City, NY, Sep 24 2026.
- Panel discussion, *Science, Democracy and Climate,* Stand Up for Science**,** NYC Climate Week event, New York City, NY, Sep 23 2026.
- Host, *Breaking the Ice Before it Melts: Effective Climate Communication* (panel discussion with Bill Nye, Chuck Nice, and Asher Jay), NYC Climate Week event, *Penn Club of New York*, New York City, NY, Sep 22 2026.
- Panel discussion, *Turning the IPCC Special Report on Cities and Climate Change into a Private-Sector Investment Signal*, The Brunswick Group and Penn IUR, Sep 22, 2026.
- Conversation, To Explore is to Lead: More Leadership Insights from the Climate Vanguard, NYC Climate Week event, *The Explorers Club*, New York City, NY, Sep 21 2026.
- Panel discussion, *Climate Information and Democracy*, *Columbia University*, New York City, NY, Sep 21 2026

- Judge and co-sponsor, NYC Climate Week Comedy Workshop, co-sponsored by University of Colorado Boulder, Penn Center for Science, Sustainability & the Media, and the Hip Hop Caucus, Fordham University, New York NY, Sep 20 2026.
- Conversation with congressman Jared Huffman, *Combatting Christian Nationalism in Congress: An Afternoon with Free Thought Champions*, Philadelphia Ethical Society, Philadelphia, PA, Sep 12 2026.
- Panel discussion, *Science Communication that Changes Minds & Behaviors*, MindCORE/Annenberg Public Policy Center, University of Pennsylvania, Philadelphia, PA, Sep 11 2026.
- Panel discussion, *20 Years of Desmog: A celebration of high-impact climate journalism,* DeSmog (remote), Jul 8 2026.
- Panel discussion, *Climate Change, New Data New Debate,* Bulletin of the Atomic Scientists (remote), Jun 22 2026.
- Panel discussion, VIP Luncheon, CSICon 50th anniversary conference, Buffalo NY, Jun 13 2026.
- Featured lecture and book-signing, *Science Under Siege*, CSICon 50th Anniversary conference, Buffalo NY, Jun 12 2026.
- Lecture, *Science Under Siege*, SOE/SAS/SEBS Spring 2026 Seminar Series, Rutgers University, New Brunswick, NJ, May 5 2026.
- Featured speaker and panelist *Climate Reality Project* 20th anniversary trainings, Nashville TN, May 2 2026.
- Lecture, *Science Under Siege*, Fresno City College Speaker's Forum, Fresno CA, Apr 23 2026.
- Panel discussion, Science Under Siege: A Crisis of Trust and Credibility, Conference on World Affairs, University of Colorado, Boulder CO, Apr 17 2026.
- Panel discussion, The Climate Path Forward: Science & Innovation, Conference on World Affairs, University of Colorado, Boulder CO, Apr 15 2026.
- Opening presentation, Systemic Academic, Science, and Climate Risks, *Cambridge Disinformation Summit,* Cambridge University, Cambridge UK, Apr 8 2026.
- Conversation and book-signing, *Author Talk with Science Under Siege authors Michael E. Mann and Peter J. Hotez, moderated by Boston Globe editor Anna Kuchment, Massachusetts Institute of Technology Museum*, Cambridge MA, Apr 2 2026.
- Welcome and highlights, PCSSM 2nd annual Research day, Penn Center for Science, Sustainability & the Media, University of Pennsylvania, Philadelphia PA, Mar 31 2026.
- Keynote event, "Science Under Siege" Discussion with Dr. Michael Mann and Dr. Peter J. Hotez, moderated by Dr. Susan Weiss, *Symposium on Rising Temperatures and Emerging Diseases: Science in a Changing Landscape*, Penn Center for Science, Sustainability and the Media/ Penn Center for Research on Emerging Viruses, University of Pennsylvania, Philadelphia PA, Mar 26 2026.
- Lecture, *Science Under Siege*, Washington and Lee University, Lexington VA, Mar 4 2026.
- Conversation, *Science Under Siege: A Conversation with Drs. Peter J. Hotez and Michael E. Mann,* University of Manitoba (remote), Feb 26 2026.
- Featured speaker, Paris-Saclay Summit—Choose Science (sponsored by Le Point magazine), CentraleSupelec, Gif-sur-Yvette, France, Feb 18 2026.
- Keynote lecture, *Science Under Siege*, Environmental Health & Engineering Grand Rounds lecture series, Johns Hopkins University, Baltimore MD, Feb 13 2026.
- Speaker, *The Physics of Climate Change,* Departmental Colloquium, Department of Physics, University of Pennsylvania, Philadelphia PA, Feb 11 2026.

- Moderator, *Challenges and Opportunities in Today's Climate Communication Space* (with Edward Maibach and Bernadette Woods Placky), Penn Center for Science, Sustainability and the Media/Annenberg Public Policy Center, University of Pennsylvania, Philadelphia PA, Feb 10 2026.
- Panel discussion, *The Climate Reality Check: Exposing Misinformation, Disinformation & Greenwashing Webinar*, Climate Reality Europe (remote), Jan 29 2026.
- Moderator, *Ahead of the Disaster: Turning Prediction into Protection and Prevention*, Perry World House/Penn Center for Science, Sustainability and the Media/Annenberg Public Policy Center, University of Pennsylvania, Philadelphia PA (remote), Jan 27 2026.
- Conversation, Future Trend Forum with Bryan Alexander, Georgetown University (remote), Jan 6 2026.
- Meet & Greet with climatologist and geophysicist Michael Mann, Riverwoods Durham, Durham NH, Dec 30 2025.
- Speaker, *Science for Policy* Session Networking Event, New Orleans, LA, Dec 15 2025
- Discussion, Penn Class of 1974 Conversations program (remote), Dec 10 2025.
- Speaker and panelist, presidential session on "The Rising Tide of Science Denial", American Society for Cell Biology (ASCB) annual conference, Philadelphia PA, Dec 6 2025.
- Keynote lecture and book-signing, *From Prediction to Reality: How Climate Science Warned Us, and What Comes Next,* Distinguished Climate Speaker Series, UC Merced, Merced CA, Nov 18 2025.
- Moderator, *Nuclear Energy Today: Perspectives on Policy, Practice, and Regulation in the Energy Transition,* Building Bridges Series, Penn Libraries*,* University of Pennsylvania, Philadelphia PA, Oct 29 2025.
- Presentation and moderated discussion, *Secret Science Club Presents Science Under Siege with Peter Hotez and Michael Mann,* Secret Science Club (remote), Oct 28 2025.
- Student and Faculty Workshop, Navigating Environmental Truths in a Post-Truth Society, McGill University, Montreal Canada, Oct 24 2025.
- Keynote lecture, *Science Under Siege*, Navigating Environmental Truths in a Post-Truth Society, McGill University, Montreal Canada, Oct 23 2025.
- Introduction and conversation leader, A Conversation with Bill Nye the Science Guy, (Penn Climate Week Keynote event), University of Pennsylvania, Philadelphia PA, Oct 17 2025.
- Presentation and book signing for *Science Under Siege*, Penn Book Store Author Series, University of Pennsylvania, Philadelphia PA, Oct 7 2025.
- Conversation and book signing**,** *Michael E. Mann and Peter J. Hotez — Science Under Siege: How to Fight the Five Most Powerful Forces that Threaten Our World*, Politics and Prose Book Store, Washington DC, Oct 2 2025.
- Lecture, *Urgency and Agency in Addressing the Climate Crisis*, Distinguished Lectures by Honorary Doctors, Education University of Hong Kong, Hong Kong, China, Sep 25 2025.
- Introduction of Speaker (Joe Romm), "Climate solutions, AI data center energy use, and nuclear power: What's real, what's hype, and what's disinformation", Penn Center for Science, Sustainability and the Media, Climate Week event, New York, New York, Sep 22 2025.
- Presentation and Panel discussion, "A Reality Check: Moving From Crisis To Hope", Penn Climate, University of Exeter and Climate Basecamp, Climate Week event, New York, New York, Sep 22 2025.
- Conversation, "Dr. Michael E. Mann, Science Under Siege", Climate Crisis Club Twitter Space event (remote), Sep 20 2025.
- Panel discussion and book signing, Science Under Siege: A Conversation With Dr. Peter Hotez & Dr. Michael Mann, Baker Institute for Public Policy, Rice University, Houston TX, Sep 9 2025.

- Introduction, Lecture "How AI is transforming the investment landscape for energy, sustainability, and resilience" by Ali Zeidi, PennClimate seminar series, University of Pennsylvania, Philadelphia PA, Sep 3 2025.
- Lecture, *Science Under Siege*, Islesboro Forum, Islesboro Maine, Aug 10 2025.
- Lightning Talk, Climate Change, Extreme Weather & Quantum Mechanics, Science Foo Camp ("Sci Foo"), *Nature*, O'Reilly Media, and Google, Mountain View CA, Jul 19 2025.
- Keynote Speaker, Graduate Division Graduation Ceremony, School of Arts & Sciences, University of Pennsylvania, May 16 2026.
- Lecture, *Our Fragile Moment*, University of Exeter, Exeter UK, May 8 2025.
- Lecture, *Science Under Siege*, University of Southampton, Southampton UK, May 7 2025.
- Lecture, *Beyond the Hockey Stick*, University of Southampton, Southampton UK, May 6 2025.
- Conversation and Q&A, Sound Science Fellows Meeting, National Center for Science Education (remote), May 1 2025.
- Welcome and highlights, inaugural PCSSM Research day, Penn Center for Science, Sustainability & the Media, University of Pennsylvania, Apr 18 2025.
- Introduction, The Hype About Hydrogen – A Book Event with Dr. Joseph Romm, Penn Center for Science, Sustainability and the Media, University of Pennsylvania, Apr 17 2025.
- Emcee, *Climate Storyteller's Summit* (Princeton/Penn/Yale), Join My Climate Story project, the Yale Program on Climate Communication, the Penn Center for Science, Sustainability & the Media, and the High Meadows Environmental Institute (remote), Apr 10 2025.
- Keynote lecture, *Climate Change and the Path Forward*, Community Forum at the Bryn Mawr Presbyterian Church, Bryn Mawr PA, Apr 7 2025.
- Public Lecture, *Our Fragile Moment*, Environmental Sciences Seminar, Department of Environmental Sciences, Rutgers University, New Brunswick NJ, Apr 4 2025.
- Public Lecture, *Science Under Siege*, Skeptical Inquirer Presents (remote), Apr 3 2025.
- Keynote lecture, *Climate Change and the Path Forward*, 17th annual Graduate Research Conference, Department of Earth and Environmental Science, University of Pennsylvania, Philadelphia PA, Mar 28 2025.
- Moderator, *Art for Action: Creativity in the Face of Climate Change*, Penn Center for Science, Sustainability and the Media and the Museum for Art in Wood, University of Philadelphia, Philadelphia PA, Mar 27, 2025.
- Panelist, *Leading in a Changing World*, Frontiers of Knowledge and Discovery (University of Pennsylvania), San Francisco CA, Mar 11 2025.
- Speech, *Stand Up for Science* rally, Lincoln Memorial, Washington DC, Mar 7 2025.
- Public Lecture, *Our Fragile Moment*, Deans Distinguished Speaker Series, Rowan University, Glassboro NJ, Feb 24 2025.
- Public Lecture, *Winning the New Climate War*, Massachusetts Society of Professors/Massachusetts Teachers Association, University of Massachusetts, Amherst MA, Feb 21 2025.
- Panelist and co-organizer, *Conservative and Concerned about Climate Change? You're Not Alone – A Conversation with Bob Inglis and Michael Mann*, Penn Center for Science, Sustainability and the Media/Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia PA, Feb 13 2025.
- Panelist, "Incentive Gaps", *3rd Annual Convening of the ESG Initiative*, The Wharton School, University of Pennsylvania, Jan 17 2025.

- Public Lecture, *Our Fragile Moment*, Lecture Series, Riverwoods Retirement Community, Durham NH, Dec 22 2024.
- Meeting with Presidential Climate Advisor Ali Zaidi, White House, Washington DC, Dec 12 2024.
- Conversation and book-signing, Climate Change and Our Fragile Earth (in conversation with Jonathan Vigliotti and Louis Aguirre), Miami Book Fair, Miami FL, Nov 24 2024.
- Lecture and discussion, Miami-Dade Honors College (Homestead Campus), Homestead FL, Nov 22 2024.
- Conversation and Q&A, Lucid Q&A with Ruth Ben-Ghiat (remote), Nov 17 2024.
- Keynote lecture, *Our Fragile Moment*, Climate Solutions for the Living World, U. Penn School of Arts & Sciences/Biology, Plant Adaptability and Resilience Center, University of Pennsylvania, Philadelphia PA, Nov 15 2024.
- Lecture and discussion, Ben Franklin Scholars' Masterclass, University of Pennsylvania, Philadelphia PA, Nov 14, 2024.
- Featured speaker and conversation, Ben Talks: *Our Fragile Moment*, U. Penn Arts & Sciences Alumni event, Miami FL, Oct 30 2024.
- Featured lecture and book-signing, *Our Fragile Moment*, CSICon Conference, Las Vegas NV, Oct 26, 2024.
- Panel discussion, VIP Luncheon, CSICon conference, Las Vegas NV, Oct 25, 2024.
- Press conference, Election Event, Tyler Prize for Environmental Achievement (University of Southern California)(virtual), Oct 18 2024.
- Conversation, Climate Optimism with Michael Mann and Dan Utech, Penn Center for Science, Sustainability and the Media, University of Pennsylvania, Philadelphia PA, Oct 17 2024.
- Panel discussion, *Humanists for Haris*, Secular Democrats of America (virtual), Oct 15 2024.
- Panel discussion, *Getting Scientists in Office*, Penn Center for Science, Sustainability and the Media and the Andrew Mitchell Center for Democracy in partnership with 314 Action, University of Pennsylvania, Philadelphia PA, Oct 14 2024.
- Panel discussion, *Dean's Forum: Using the Law to Combat Climate Science*, Beasley School of Law, Temple University, Philadelphia PA, Oct 10 2024.
- Public Lecture, *Our Fragile Moment*, Carl and Amy Jones Lecture in Interdisciplinary Science, Carnegie Mellon University, Pittsburgh PA, Oct 8 2024.
- Keynote Lecture, *Our Fragile Moment*, Our Common Home, our Common Hope: Community Engagement for a Safe and Just Future, 2024 International Sustainability Conference, Villanova University, Villanova PA, Oct 2 2024.
- Panel discussion, "Piercing the Fog" Yale Club *Climate Week* event, New York, New York, Sep 26 2024.
- Panel Discussion, "Climate Basecamp" *Climate Week* fundraiser with Rainn Wilson, Paramount Club, New York, New York, Sep 24 2024.
- Conversation with Shaughnessy Naughton, *Scientists For Harris* event, 314Action, Sep 18 2024 (virtual).
- Presentation, *Our Fragile Moment*, San Luis Obispo Climate Coalition, Sep 18 2024 (virtual).
- Conversation, "Fighting Disinformation With Michael Mann", Climate Crisis Club Twitter Space event (remote), Sep 15 2024.
- Presentation, *Beyond the Hockey Stick*, New Fellows Seminar, Royal Society of London, London England, Jul 10 2024.
- Public lecture, *Our Fragile Moment*, Islesboro Historical Society, Islesboro ME, Jun 26 2024.

- Climate Wars and Fragile Moments: An Interview with Climate Scientist Michael Mann, *Climate Chat* (YouTube livestreamed event), Jun 9 2024.
- Speech, Rockefeller University commencement, Rockefeller University, New York NY, Jun 6 2024.
- Conversation about *Our Fragile Moment* with Jane Davidson, The Hay Festival, Hay-on-Wye, Wales, UK, May 24 2024.
- Presentation, *Our Fragile Moment*, Kleinman Center for Energy Policy (KCEP) annual Board Meeting, Penn Law School, University of Pennsylvania, Philadelphia PA, May 16 2024.
- Conversation about *Our Fragile Moment* with Guardian environment editor Fiona Harvey, Guardian Live, May 15 2024 (virtual).
- Conversation and book-signing, Our Fragile Moment with Michael Mann (in conversation with Sarah Everts), Ottawa Writers Festival, Ottawa, Canada, May 4 2024.
- Lecture, *Our Fragile Moment*, "Embracing Our Emergency" online course (hosted by Josh Fox and Daniel Pinchbeck), Liminal Institute, May 1 2024 (virtual).
- Panel Discussion (A. Fauci, P. Hotez, A. Iwasaki, M. Mann), moderated by National Academy of Sciences President Marcia McNutt, Scientists Under Fire, jointly sponsored by National Academy of Sciences, Engineering and Medicine, National Academy of Sciences Annual Meeting, Washington DC, Apr 28 2024.
- Lecture and panel, *Urgency and Agency in Addressing the Climate Crisis*, Saint Andrew's Episcopal School, Potomac MD, Apr 26 2024.
- Panel Discussion, Beyond Despair: A Q&A with Michael Mann, Climate 101 lecture series, Penn Center for Science, Sustainability & the Media and The Museum for Art in Wood, University of Pennsylvania, Philadelphia PA, Apr 25 2024.
- Keynote presentation, *Our Fragile Moment*, Earth Day Soiree, CLEO Institute, Miami FL, Apr 24 2024 (virtual).
- Panel Discussion, Beyond Despair: A Q&A with Michael Mann, Climate 101 lecture series, Penn Environmental Innovations Initiative, University of Pennsylvania, Philadelphia PA, Apr 23 2024.
- Panel Discussion, "Great EGU Debate; Anthropocene- Epocalypse now?", European Geophysical Union 2024 General Assembly, Vienna Austria, Apr 16 2024 (virtual).
- Acceptance speech, Climate Champion Award, PennFuture's 25th Anniversary Celebration, National Constitution Center, Philadelphia PA, Apr 11 2024.
- Panel Discussion, Opening Program, Society of Environmental Journalists annual conference, University of Pennsylvania, Philadelphia PA, Apr 3 2024.
- Panel Discussion, Lunchtime Session: The Intersection Between Disinformation Research and Climate Science, Society of Environmental Journalists annual conference, University of Pennsylvania, Philadelphia PA, Apr 3 2024.
- Presentation, *How Lessons from Earth's Past Can Help Us Survive the Climate Crisis*, Schmidt Speaker Series, Schmidt Family Foundation, Mar 19 2024 (virtual).
- Introduction, *A Conversation with Senator Sheldon Whitehouse,* Penn Energy Week event, Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia PA, Mar 15 2024.
- Provided testimony, Government Administration and Elections Public Hearing on Bill 394 updating State FOIA law, Connecticut State Senate, Mar 13 2024 (virtual).
- Panel discussion, *Electrifying Everything?*, Penn Energy Week event, Wharton Climate Center and Penn Center for Science, Sustainability and the Media, University of Pennsylvania, Philadelphia PA, Mar 13 2024.
- Lecture, *Our Fragile Moment*, Arts & Lectures Series, University of California Santa Barbara, Santa Barbara CA, Feb 23 2023.

- Michael Mann in conversation with Eric Masanet, Bren School of Environmental Science and Management, University of California Santa Barbara, Santa Barbara CA, Feb 23 2023.
- Lecture, *Our Fragile Moment*, Penn Class of 1968 Friendship Hour, Penn Alumni, University of Pennsylvania (virtual), Feb 16 2023.
- Panel discussion, *Understanding the Effects of Climate Change*, VIPR undergraduate program, Vagelos Laboratories of the Institute for Advanced Science and Technology, University of Pennsylvania, Philadelphia PA, Feb 15 2024.
- Presentation, *How Lessons from Earth's Past Can Help Us Survive the Climate Crisis*, Smithsonian Associates Inside Science Lecture Series, Smithsonian Institute, Jan 11 2024 (virtual).
- Presentation and book-signing, *Our Fragile Moment: How Lessons from Earth's Past Can Help Us Survive the Climate Crisis*, Book Passage, Corte Madera CA, Dec 13 2023.
- Guest video lecture, Journalism and Society (instructor Seth Borenstein), NYU Journalism School Washington DC, Dec 6 2023.
- Acceptance speech, John Scott Award, Benjamin Franklin Hall, American Philosophical Society, Philadelphia PA, Nov 30 2023.
- Lecture, *Our Fragile Moment*, Grantham Research Institute on Climate and the Environment, London School of Economics and Political Science, London England (virtual), Nov 22 2023.
- Roundtable discussion, Road to COP 28: The Role of Media, Chaired by Allison Agsten, USC Annenberg's Center for Climate Journalism and Communication, Nov 14 2023 (virtual).
- Conversation and book-signing, *Our Fragile Moment: How Lessons from Earth's Past Can Help Us Survive the Climate Crisis*, Perry World House World Forum, University of Pennsylvania, Philadelphia PA, Oct 24 2023.
- Conversation and book-signing, *The Science and Morality of Climate Change*, Chicago Humanities Fall Book Festival, Chicago IL, Oct 21, 2023.
- Panel discussion and book-signing, *The Climate Crisis: How to Cope*, Boston Book Festival, Old South Church, Boston MA, Oct 14, 2023.
- Discussion, "The Existential Crisis: Climate Change is Here with Dr. Michael E. Mann", Moderated by Ana Cabrera, *The Common Good*, New York, NY, Oct 12 2023.
- Conversation with actor Tim Guinee, *Climate Action Party: Our Fragile Moment*, *Climate Action Now*, Oct 10, 2023 (virtual).
- Keynote lecture ("Annual Petrusky Lecture"), *Our Fragile Moment*, Discussion with Science-Health-Environment reporting fellows, National Association of Science Writers (NASW)/ Council for the Advancement of Science Writing Annual Conference (CASW), Boulder CO (remote), Oct 7 2023.
- Discussion with Science-Health-Environment reporting fellows, National Association of Science Writers (NASW)/ Council for the Advancement of Science Writing Annual Conference (CASW), Boulder CO (remote), Boulder CO (remote), Oct 6 2023.
- Panel discussion, *Temperature Rising: Addressing Climate-Fueled Disasters*, How Can We Build a More Sustainable Future, The Atlantic Festival, Washington DC, Sep 28 2023.
- Lecture and book-signing, *Our Fragile Moment*, Parkway Central Library, Free Library of Philadelphia, Philadelphia PA, Sep 27 2023.
- Moderator, panel discussion, *Youth-Driven Climate Action: Power and Potential (Climate & Democracy)*, the Andrea Mitchell Center/Penn Program in Environmental Humanities, University of Pennsylvania, Philadelphia PA, Sep 21 2023.
- Lecture and panel, *Our Fragile Moment*, 1.5 Minute Faculty Climate Lectures, Climate Week at Penn, University of Pennsylvania, Philadelphia PA, Sep 20 2023.

- Panel discussion, *The World Today: The Crisis of Climate-Driven Extinction*, Perry World House, University of Pennsylvania, Philadelphia PA, Sep 19 2023.
- Moderator, panel discussion, *Climate & Environmental Journalism Panel with Inside Climate News*, Penn Center for Science, Sustainability and the Media/Annenberg Public Policy Center, University of Pennsylvania, Philadelphia PA, Sep 18 2023.
- Keynote lecture, *Our Fragile Moment: How Lessons from Earth's Past Can Help Us Survive the Climate Crisis,* PISCE@LDI: Bridging Climate Change and Implementation Science - A Talk with Dr. Michael Mann, University of Pennsylvania, Philadelphia PA, Sep 13 2023.
- Panel discussion and book-signing, *Climate: Minutes to Midnight*, Common Ground with Jane Whitney (PBS), The Gunn School, Washington CT, Sep 10 2023.
- Keynote lecture, *Our Fragile Moment: How Lessons from Earth's Past Can Help Us Survive the Climate Crisis,* Climate Science: The Good, The Bad, The Ugly, Meadows Center/Texas State University, San Marcos TX, Sep 7 2023.
- Facilitated Discussion, *Hayden Scholars Summer Research Program,* Department of Earth and Environmental Science, University of Pennsylvania, Jul 19 2023.
- Participant, "Managing our spillover effects and achieving the SDGs globally", Iceland Government Side Event at the U.N. High-level Political Forum (HLPF) - Sustainable Development Goals (online), July 11 2023
- Ukraine President Volodymyr Zelenskyy meeting with world-renowned environmental activists, influencers, opinion leaders, experts and representatives of international organizations in order to develop a set of response measures to overcome the consequences of the environmental threat of Russian ecocide (online), June 8 2023
- Award speech for *Humanist of The Year*, American Humanist Association (AHA) Annual Conference, Denver CO (remote participation), May 6 2022
- Public lecture, "*The New Climate War*", Turner Endowed lecture, Dunwoody Village Retirement Community, Newtown Square PA, Apr 28, 2023.
- Keynote lecture, *The New Climate War,* WeConservePA Pennsylvania Land Conservation Conference, Reading PA, Apr 27 2023.
- Panelist, "*Lineages of Indian Environmentalism"*, Saluja Global Fellows Lecture featuring Ramachandra Guha**,** Center for the Advanced Study of India (CASI)/Perry World House, University of Pennsylvania, Philadelphia PA, Apr 25 2023.
- Panelist and co-organizer, "*Is Solar Geoengineering a Viable Tool in the Climate Policy Arsenal?"***,** Penn Center for Science, Sustainability and the Media/Perry World House/Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia PA, Apr 19 2023.
- Conversation and panel discussion, "Environmental Activism and Film", moderated by Ben Kalina, Drexel University, Philadelphia PA, Apr 18 2023.
- Invited lecture, *Our Fragile Moment: How Lessons from Earth's Past Can Help Us Survive the Climate Crisis,* Drexel University, Philadelphia PA, Apr 13 2023.
- Meet the author event for "The New Climate War"*, Michael Mann in Conversation With Zinta Zommers,* moderated by Maher Nasser, United Nations Bookshop, United Nations, New York NY, Apr 12 2023.
- Panelist, "*Tilting on its Axis: How to Steady a Climate-Threatened World"***,** Perry World House/Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia PA (online), Apr 5 2023.
- Panelist, "*Beginning to End the Climate Crisis – A Discussion with German Climate Activists Luisa Neubauer and Alexander Repenning, and Climate and Human Rights Advocate Sabirah Mahmud"***,**

Penn Center for Science, Sustainability and the Media/Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia PA, Apr 3 2023.

- Panelist, Penn *Energy Week* event: "Climate Change, Disruption, and Health Equity", Leonard Davis Institute of Health Economics and Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia PA (online), Mar 24 2023.
- Lecture, *Tackling the Climate Crisis*, Undergraduate *Energy Week* Climate and Energy Policy Seminar, Kleinman Center for Energy Policy, University of Pennsylvania, Mar 22 2023.
- Moderator of Penn *Energy Week* event: "What is ESG? Why It Matters and Why You Should Pay Attention", Penn Center for Science, Sustainability and the Media/Wharton School/Kleinman Center for Energy Policy, University of Pennsylvania, Mar 20 2023.
- Conversation/Q&A. Global Leaders of Fairfax County, hosted by Ryan McElveen, Associate Director of the John L. Thornton China Center, The Brookings Institution (online), Mar 16 2023.
- Keynote lecture, *Words From a Climate Warrior,* 2023 Mid-Atlantic Regional Conference, Pennsylvania Public Health Association, West Chester PA (online), Mar 16 2023.
- Speaker, *Physics of Climate Tutorial*, American Physical Society March Meeting, Las Vegas NV, Mar 6 2023.
- Conversation: The Role of Misinformation and Greenwashing In The Climate War, inaugural Condé Nast's *Condé Conversations* (online), Mar 2 2023.
- Panelist, Annual Board Meeting, Penn School of Arts & Sciences, The Inn at Penn, University of Pennsylvania, Philadelphia PA, Mar 1 2023.
- Conversation and panel discussion, "Breaking Down 'The Scheme' With Senator Sheldon Whitehouse", with Joe Francisco, moderated by Kathleen Morrison, Penn Center for Science, Sustainability & the Media, Annenberg Public Policy Center, University of Pennsylvania, Philadelphia PA, Dec 9 2022.
- Panelist, Friend of Darwin/Friend of the Planet award ceremony (online), Dec 8 2022.
- Keynote lecture, *Climate Change and Extreme Weather Events*, Symposium on Climate Change and Human Health, Center of Excellence in Environmental Pharmacology (CEET), Perelman School of Medicine, University of Pennsylvania, Philadelphia PA, Nov 18 2022.
- Climate Risks: Impact, Vulnerability & Adaptation, Biennial Meeting of the Philosophy of Science Association, Pittsburgh PA, Nov 1 2022.
- Award speech and panel discussion, *The Water's Edge Gala and Presentation of the Stroud Award for Freshwater Excellence*, Delaware Museum of Nature and Science, Wilmington DE, Nov 3 2022.
- Keynote lecture, *The New Climate War,* Teaching Environmental Justice: A Celebration of Writing and Literacy, Teachers Institute of Philadelphia, Penn Museum, Philadelphia PA, Oct 15 2022.
- Lecture, *Beyond the Hockey Stick: Climate Lessons from The Common Era*, Department of Earth and Environmental Science, Climate Week at Penn, University of Pennsylvania, Philadelphia PA, Oct 13 2022.
- Lecture and panel, *Urgency and Agency in Addressing the Climate Crisis*, 1.5 Minute Faculty Climate Lectures, Climate Week at Penn, University of Pennsylvania, Philadelphia PA, Oct 12 2022.
- Lecture and book-signing, *The New Climate War*, Beck Environmental Lecture/Fall For the Book festival, George Mason University, Fairfax VA, Oct 6 2022.
- Conversation between Michael Mann and Stroud Executive Director Dave Arscott, Stroud Water Research Center, Avondale PA, Sep 30 2022.
- Keynote lecture, *The New Climate War,* Induction ceremony, International Green Industry Hall of Fame, Sep 29 2022 (remote).

- Keynote lecture, *The New Climate War,* Society for the Protection of New Hampshire Forests, Annual Meeting, Concord NH, Sep 24 2022.
- Keynote lecture, *The New Climate War,* Global Forum on Productivity, Mountain Towns 2030 Climate Solutions Summit, Breckenridge CO, Sep 20 2022.
- Conversation between Michael Mann and former Australian Prime Minister Malcolm Turnbull, moderated by Kathleen Hall Jaimeson and introduced by Penn President Elizabeth Magill, *Rising to the Global Climate Challenge: Australia's Leadership*, Penn Center for Science, Sustainability & the Media/Annenberg Public Policy Center/School of Arts & Sciences/Kleinman Center for Energy Policy, Perry World House, University of Pennsylvania, Philadelphia PA, Sep 13 2022.
- Panel discussion with Congressman Jared Huffman, Dan Kammen, and Will Rollins, CleanPAC event to elect climate champions, The Spinnaker, Sausalito CA, Aug 31 2022.
- Conversation and book-signing, *Michael Mann with Congressman Jared Huffman*, Book Passage, Corte Madera, CA, Aug 30 2022.
- Science colloquium, Division of Philosophy, Art and Critical Thought, European Graduate School, Saas-Fee Switzerland, Jul 11 2022.
- Dinner keynote lecture, *Urgency and Agency in the Battle to Avert a Climate Crisis,* Global Forum on Productivity, Annual Conference of the OECD/European Commission, Brussels Belgium, Jul 7 2022.
- Invited lecture, *Beyond the Hockey Stick: Climate Lessons from The Common Era*, Distinguished Speaker series, IBM Research, Yorktown Heights NY (remote), Jun 30 2022.
- Invited lecture, *The Rise and Fall of the Atlantic Multidecadal Oscillation*, Banff International Research Station (BIRS) Multitaper Spectral Analysis Workshop, Banff, Alberta Canada (remote), Jun 25 2022.
- Discussion, *Eco Book Club*, Climate Action Virginia /Virginia League of Conservation Voters, Richmond VA (remote), Jun 15 2022.
- Conversation, *Measuring What Matters* team, Society of Petroleum Engineers (remote), Jun 14 2022.
- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", Keynote Lecture, "Dire Predictions: Understanding Climate Change", Penn State Research Experience for Undergraduates (REU) on Climate Science/Project Drawdown (webinar), Penn State University, University Park PA, Jun 7 2022.
- Conversation (with Rudi Bressa), "Il futuro del clima nascosto nei ghiacci", CICAP Science Festival 2022, Padova Italy (remote), Jun 4 2022 (remote).
- Editorial board meeting, *New York Times*, New York NY, May 24 2022.
- Panel discussion, Elevating Ethical Climate Solutions, *Charting Responsible Growth*, First-ever Ars Technica Conference, Ars Technica, Washington DC, May 12 2022.
- Conversation (with Blair Palese), Need for International Action on Climate Change, Smart Energy Expo 2022, Australian Smart Energy Council, Sydney Australia (remote), May 5 2022.
- Invited lecture and book-signing, *The New Climate War,* Penn State Great Valley, Malvern PA, May 4 2022.
- Conversation with Biosphere residential program community students, Kings Court English College House (KCECH), University of Pennsylvania, Philadelphia PA (remote), May 3 2022.
- Invited lecture, *Urgency and Agency in the Battle to Avert a Climate Crisis,* Climate change challenges for the insurance industry, Czech Association of Insurance Companies, Prague Czech Republic (remote), Apr 28 2022.
- Panel discussion, *Fleeing climate change--views on the climate & migratory crises"* (with Sylvie Sarolea, Jean-Pascal Van Ypersele, and François Gemenne) "The Fragility of Truth" honorary doctorates ceremony, Université catholique de Louvain, Louvain la Neuve, Belgium, Apr 27, 2022.

- Invited lecture, *From the Hockey Stick to the Climate Wars*, "The Fragility of Truth" honorary doctorates ceremony, Université catholique de Louvain, Louvain la Neuve, Belgium, Apr 27, 2022.
- Invited lecture, *The Rise and Fall of the Atlantic Multidecadal Oscillation*, Georges Lemaître Centre for Earth and Climate Research, Université catholique de Louvain, Louvain la Neuve, Belgium, Apr 27, 2022.
- Invited lecture, *The New Climate War,* University of Scranton, Scranton PA, Apr 21 2022.
- Panel discussion, Climate Changed: What now? *Fighting for Our Future: 2022 Virtual Earth Day Summit*, Nature Conservancy, San Francisco CA (remote), Apr 21, 2022.
- Panel discussion, *Now or Never: What We Can and Must do to Act on Climate*, ClimateVoices, San Francisco CA (remote), Apr 18, 2022.
- Conversation with Irwin Hall students, College of Earth and Mineral Sciences Living Learning Community, Penn State University, University Park PA, Apr 15 2022.
- Virtual panel event, *Urgency, Agency, and Climate Action: The Role of Communication*, Annenberg School of Communication, University of Pennsylvania, Philadelphia VA (virtual event), Apr 12 2022.
- Leo Szilard Lectureship Award Lecture: *The Right Path to Decarbonization*, American Physical Society April Meeting, New York NY, Apr 10 2022.
- (with journalist Stella Levantesi), *From Climate Change Denial to Delay*, International Journalism Festival, Perugia Italy, Apr 7 2022.
- Invited lecture, *Urgency and Agency in the Battle to Avert a Climate Crisis,* Wilmington Friends School, Wilmington DE, Apr 5 2022.
- Reception with Dr. Mann, OSU-Cascades Interim Vice President Andrew Ketsdever, and Skeptoid founder, Brian Dunning, Riverhouse on the Deschutes, Bend OR, Mar 31 2022.
- Invited lecture, *The New Climate War: The Fight to Take Back Our Planet*", Skeptoid Media and Oregon State University Cascades, Riverhouse on the Deschutes, Bend OR, Mar 31 2022.
- Conversation, *Dr. Beth Marino and Dr. Michael Mann,* Oregon State University Cascades, Bend Oregon, Mar 31 2022.
- Keynote address, Southern Environmental Law Center (SELC) Reed Environmental Award Celebration, Charlottesville VA, Mar 18 2022.
- Guest discussion with students, Department of Environmental Sciences, University of Virginia, Charlottesville VA, Mar 17 2022.
- Book presentation and signing for "*The New Climate War*", Virginia Festival of the Book, Charlottesville VA, Mar 17, 2022.
- Invited presentation, "*The New Climate War: The Fight to Take Back our Planet",* (J.M. Restrepo and M.E. Mann), American Physical Society March Meeting, Chicago IL, Mar 14, 2022.
- Panel discussion, Look UP Now! *Real Climate Candidates* nationwide fundraiser event (virtual), Mar 2 2022.
- Roundtable Discussion, *White House Roundtable on Countering Delayism & Communicating the Urgency of Climate Action*, White House Office of Science & Technology Policy (virtual), Feb 24 2022.
- Conversation and Q&A, *The New Climate War: The Fight to Take Back Our Planet, Climate Solutions Book Club* (virtual event), Feb 17 2022.
- Press Briefing, "The Best Climate Science You've Never Heard Of", *Covering Climate Now* (virtual event), Feb 17 2022.

- Conversation, Debbie Harry and Chris Stein, co-founders of Blondie speak with renown climatologist, Dr. Michael E. Mann about ancient climate history, preventing climate Armageddon, *Sing for Science* (virtual event), Feb 2 2022.
- Discussion and Q&A, Covering Climate Collaborative, Local Media Association (virtual event), Jan 26 2022.
- Conversation, *Adam McKay and Dr. Michael Mann discuss "Don't Look Up"*, Netflix / Environmental Defense Fund (virtual event), Jan 18 2022.
- Guest lecture on "Urgency and Agency in the Battle to Avert a Climate Crisis", RL ST 133N (Instructor J. Brockopp): *The Ethics of Climate Change*, Penn State University, University Park PA (remote), Jan 14 2022.
- Discussion and Q&A, *Conversation with Climate Scientist Dr. Michael Mann*, PennFuture/Conservation Voters of Pennsylvania (remote), Jan 13 2022.
- Invited presentation, "*The Right Path to Decarbonization*", Spring 2022 EarthTalks series, Earth and Environmental Systems Institute, Penn State University, University Park PA, Jan 10, 2022.
- Panel discussion, "News Travels Fast: The Media's Role in Covering Climate Change", *USA Today*, TwitterSpace event (remote), Dec 7 2021.
- Invited lecture, *Can we really solve the climate crisis? If so, how?,* Big Questions Little Time - Webinars on Sustainable Development, Copenhagen Business School, Copenhagen Denmark (remote), Nov 18 2021.
- Invited lecture, *The New Climate War: The Fight to Take Back Our Planet*", Climate Reckonings, Climate Justice Lecture Series, Whitman College, Walla Walla Washington (remote), Nov 16 2021.
- Discussion with students, Climate Reckonings, Climate Justice Program, Whitman College, Walla Walla Washington (remote), Nov 16 2021.
- Invited speaker, *Pennsylvania Leaders and Glasgow: Reflections on COP26* (webinar), PennFuture (remote), Nov 16 2021.
- Lecture and discussion, "An Evening with Professor Michael Mann", Ireland Environmental Protection Agency (EPA) Climate Change Series, Dublin Ireland (remote), Nov 15 2021.
- Presentation on climate change impacts and solutions, Pennsylvania house appropriations committee Democrats, Harrisburg PA (remote), Nov 12 2021.
- Keynote Presentation, *The New Climate War: The Fight to Take Back Our Planet*", Pennsylvania Statewide Conference for Watershed Organizations, Pennsylvania Organization for Watersheds & Rivers, Boalsburg PA, Nov 8 2021.
- Guest lecture, EM SC 100S (Instructor G. Jenkins), *Climate Change and Climate Justice in Frontline Communities*, Penn State University, University Park PA , Nov 4 2022.
- Speaker, *Un Planteta Possible* festival, National Geographic, Milano Italy (remote), Nov 6 2021.
- Invited plenary lecture, Union Geopfisica Mexicana Annual meeting: *"*"*The New Climate War: The Fight to Take Back Our Planet",* Mexico City MX (remote), Nov 3 2021.
- Panel discussion, "News Travels Fast: The Media's Role in Covering Climate Change", *Climate Hub*, New York Times, Glasgow UK (remote), Nov 3 2021.
- Guest discussion, course on Global Climate Change (instructor Scott Mandia), Suffolk County Community College, Selden NY (remote), Nov 1 2021.
- Keynote speaker, Halloween Rally for Climate Action, West Virginia Climate Alliance, Charleston WV (remote), Oct 30, 2021.
- Invited lecture, "Spotlight On: Urgency and Agency in the Battle to Avert a Climate Crisis", United Nations Association, Whitefish Bay WI, Oct 23 2021.

- Invited lecture, "Spotlight On: Urgency and Agency in the Battle to Avert a Climate Crisis", Model United Nations event, Whitefish Bay High School, Whitefish Bay WI, Oct 22 2021.
- Panel discussion, "Finding a Way to Live Sustainably", *Birth the New Earth* series of dialogues, Sydney Australia (remote), Oct 21 2021.
- Keynote Presentation, *The New Climate War,* Race to Zero Summit, sponsored by the *Smart Energy Council,* Sydney Australia (remote), Oct 20 2021.
- Conversation and Q&A, *Climate Book Talks: The New Climate War*, Anthropocene Google Group (remote), Oct 7 2021.
- Invited lecture, "*The New Climate War: The Fight to Take Back Our Planet*", Peace Conference, Northampton Community College, Bethlehem PA, Oct 5 2021.
- Keynote Presentation, *Winning the Climate War*, Net Zero Festival, sponsored by *Business Green*, London UK (remote), Sep 30 2021.
- Invited lecture, "*Climate Change and Extreme Summer Weather Events*", Department of Earth and Environmental Sciences, University of Pennsylvania, Philadelphia PA, Sep 24 2021.
- Discussion, *Agency and Urgency in the Battle to Avert a Climate Crisis,* The World Today Series, Perry World House, University of Pennsylvania, Philadelphia PA (hybrid event), Sep 23 2021.
- Conversation, *Climate Dialogues with Jerry Brown: Featuring Michael Mann,* California China Climate Institute, University of California-Berkeley, Berkeley CA (virtual event), Sep 23, 2021.
- Invited lecture, "*Climate Change and Extreme Summer Weather Events*", Department of Atmospheric and Oceanic Science, University of Maryland, College Park MD (remote), Sep 16 2021.
- Opening remarks & discussion*, Call 4 Climate Now* Campaign, Climate Collaborative (remote), Sep 8 2021.
- Lecture, *The New Climate War: The Fight to Take Back Our Planet*, Extinction Rebellion New York City, New York City (remote), Aug 18 2021.
- Conversation and Q&A, Greenpeace Australia Pacific Donor event, Sydney Australia (remote), Jul 27 2021.
- Keynote Presentation, *The New Climate War: The Fight to Take Back Our Planet*, Yes We Can Fundraiser: Climate Action Now, Pima County Democratic Party, Tucson AZ (remote), Jul 17 2021.
- Invited lecture, *The Rise and Fall of the Atlantic Multidecadal Oscillation*, NP Division Campfire: Perspectives on Climate featuring Michael Mann, European Geosciences Union, Munich, Germany (remote), Jul 14 2021.
- Invited lecture *The New Climate War: The Fight to Take Back Our Planet*, Astronomers for Planet Earth: forging a sustainable future, European Astronomical Society, Leiden, Netherlands (remote), Jul 1 2021.
- Panel discussion, "the growing crisis amid inaction", Kyunghyang Forum on Living with the Climate Crisis, Kyunghyang Shinmun, Seoul Korea (virtual), Jun 23 2021.
- Lecture, *The New Climate War: The Fight to Take Back Our Planet*, Kyunghyang Forum on Living with the Climate Crisis, Kyunghyang Shinmun, Seoul Korea (virtual), Jun 23 2021.
- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", Penn State Research Experience for Undergraduates (REUs) on Climate Science/Project Drawdown (webinar), Penn State University, University Park PA, Jun 17 2021.
- Presentation and conversation with moderator Marina Lalovic ,*"Zero Carbon"*, Seeds: Words that Feed the Future, CMCC Center on Climate Change, Italy (virtual), Jun 16 2021.
- Conversation (with Marian Wilkinson, moderated by Anna Langford) , *"The New Climate War" meets "The Carbon Club"*, Yarra Libraries/Yarra City Council, Yarra, Australia (virtual), Jun 12 2021.

- Keynote lecture, *The New Climate War: The Fight to Take Back Our Planet*, Biennial Symposium and Exhibition, Third International Conference and POP Festival for Youth-Led Climate, Protect Our Planet (POP) Foundation (remote), Jun 10 2021.
- Panel Discussion*, Solar Geoengineering: Warnings from Scientists, Indigenous Peoples, Youth, and Climate Activists,* The Center for International Environmental Law, ETC Group, Heinrich Böll Foundation, Indigenous Environmental Network, Saami Council, WhatNext? (remote) Jun 9 2021.
- Guest discussion, Amherst Regional Middle School (ARMS), Amherst MA (remote), Jun 3 2021.
- Public lecture, "Michael Mann - The New Climate War: A World Environment Day Event", Geelong Library and Heritage Centre, Geelong, Victoria, Australia (remote), Jun 2 2021.
- Speech, Bard College commencement, Annandale-on-Hudson, May 29 2021.
- Book reading for "The New Climate War" and conversation with host Heike Wex, Leipzig Book Fair (co-sponsored by The Leipzig Institute for Tropospheric Research, Scientists for Future Leipzig and Parents for Future Leipzig), Leipzig Germany (remote), May 27, 2021.
- Conversation with *ClimateVoice* Executive Director Bill Weihl, "The New Climate War - Will Tech Join the Fight?", *Tech Talks*, San Francisco CA (remote), May 26, 2021.
- Opening lecture, *Dire Predictions: Understanding Climate Change*, NSF-iRES Undegraduate Summer Program on Pollinators in Changing Climates, Penn State University, State College PA (remote), May 24 2021.
- Featured speaker & conversation with moderator Jon Ford, *Climate Action: Thrive in 2035*, Arizona Forward, Phoenix AZ (remote), May 20 2021.
- Roundtable discussion, *Special guest Q&A with Michael Mann*, USA TODAY Network's Climate Change cross team (remote), May 19 2021.
- Conversation with *Earth.org* founder Constant Tedder, *Earth.org* (remote), May 14 2021.
- Guest lecture on "The New Climate War: The Fight to Take Back our Planet", History 79C: *The Ethical Challenges of the Climate Catastrophe*, Stanford University, Palo Alto CA (remote), May 13 2021.
- Public lecture, *Michael Mann and The New Climate War*, Science and Society Public Lecture Series, Lewes Public Library, Lewes Delaware (remote), May 4 2021.
- Conversation (with Ash Pauchari), *The Science of Climate Change and Leadership in the Decade of Action*, POP Climate Leadership Conversation (remote), May 4 2021.
- Invited lecture, *The New Climate War: The Fight to Take Back Our Planet*, The Cosmos Club, Washington DC (remote), Apr 29 2021.
- Panel Discussion*, The First 100 Days: Confronting the Climate Crisis,* Citizen by CNN, CNN (remote) Apr 27 2021.
- Conversation with Bloomberg Green Editor Aaron Rutkoff, *Bloomberg Green Virtual Festival,* Bloomberg Green (remote), Apr 26 2021.
- Panel Discussion, *It's Not Too Late: A Passion for the Planet - An Oratorio on the Subject of Climate Change,* Third Row, Northampton MA (remote), Apr 25 2021.
- Keynote lecture, *Winning The New Climate War: The Fight to Take Back Our Planet*, Biennial Symposium and Exhibition, Studio for Sustainability and Social Action (S3A), Penn State University, University Park PA (remote), Apr 24 2021.
- Panel Discussion, *Climate Activism: How Can we Create A New Future*, Selfridges Project Earth/Intelligence Squared, London UK (remote), Apr 24 2021.
- Panel Discussion, *A Passion for the Planet: Art and Science in Concert*, Smithsonian National Museum of Natural History, Washington DC (remote), Apr 21 2021.

- Keynote lecture, *Winning The New Climate War: The Fight to Take Back Our Planet*, Sustainability Symposium 2021: Into the Light -- Intelligent solutions for a sustainable future, Green Builder Media (remote), Apr 21 2021.
- Invited lecture, *Winning The New Climate War: The Fight to Take Back Our Planet*, International Climate Ambassadors, Auckland New Zealand (remote), Apr 17 2021.
- Guest speaker, *Inaugural Thomas Paine Breakfast*, Congressional Freethought Caucus*,* Secular Coalition for America, Washington DC (remote), Apr 16 2021.
- Conversation (with Amy Meek), Episode 5**,** *Race Against Climate Change* program, Envision Virgin Racing/Kids Against Plastic (remote), Apr 15 2021.
- Conversation (with Luisa Neubauer, moderated by Michael Gorman) , *The New Climate War*, Escaping Extinction Series, Biotopia Museum, Munich Germany (virtual), Apr 15, 2021.
- Conversation (with Tzeporah Berman), *The New Climate War with Michael E. Mann*, Ottawa Writers Festival (remote), Apr 12 2021.
- Discussion of "*The New Climate War",* Climate Reality Project (virtual), Apr 10 2021.
- Invited lecture, "The Rise and Fall of the Atlantic Multidecadal Oscillation", National Tropical Weather Conference, Port Brownsville TX (remote), Apr 8 2021.
- Panel Discussion, *Ask a Scientist LIVE: Beyond optimism or doomism*, Extinction Rebellion Scientists (virtual), Apr 7 2021.
- Conversation (with Eric Pooley), *The New Climate War: A Conversation with Michael Mann*, Environmental Defense Fund (virtual event), Apr 1 2021.
- Lecture and conversation, *A Climate of Change*, Calgary Climate Hub / Citizens Climate Lobby Canada /Alberta Ecotrust Foundation / University of Lethbridge, Calgary Alberta (remote), Mar 24 2021.
- Invited lecture, *Winning The New Climate War: The Fight to Take Back Our Planet*, Climate Change Lecture Series, Southwestern University, Georgetown Texas (remote), Mar 23 2021.
- Panel Discussion, *Spark Book Party - Erin Brockovich and Michael Mann with Barry Ritholtz and Blair Palese*, Spark Disruptors Conference, Spark Network and Climate and Capital Media (virtual), Mar 23 2021.
- Panel Discussion, *How to Tell What's Real from BS in the new Climate Economy*, Spark Disruptors Conference, Spark Network and Climate and Capital Media (virtual), Mar 23, 2021.
- Conversation (with Amy Meek), Episode 4, *Race Against Climate Change* program, Envision Virgin Racing/Kids Against Plastic (remote), Mar 21 2021.
- Invited lecture, "*Winning The New Climate War: The Fight to Take Back our Planet*", AAUP Chapter lecture series, University of Virginia, Charlottesville VA (virtual event), Mar 19 2021.
- Panel Discussion, *Connecting with the Public*, American Physical Society March Meeting (virtual), Mar 19, 2021.
- Invited presentation, "*The New Climate War: The Fight to Take Back our Planet",* American Physical Society March Meeting (virtual), Mar 19, 2021.
- Conversation (with Alix Dietzel), *Michael E. Mann: How Can we Save The Planet,* Festival of Ideas, University of Bristol, Bristol UK (virtual event), Mar 17 2021.
- Panel Discussion, *The Economics of a Green Structural Change*, 7th Berlin Energy Transition Dialogue (BETD), Federal Foreign Office, Berlin Germany (remote), Mar 17 2021.
- Keynote lecture, *Winning The New Climate War: The Fight to Take Back Our Planet*, 7th Berlin Energy Transition Dialogue (BETD), Federal Foreign Office, Berlin Germany (remote), Mar 17 2021.

- Invited lecture, "*Climate Change and Extreme Summer Weather Events*", Center for Climate and Energy Decision Making, Carnegie Mellon University, Pittsburgh PA (remote), Mar 15 2021.
- Invited lecture, *Moving Forward Together on Climate Change*, Wallace Stegner Lecture series on "The Path Forward," The Peninsula Open Space Trust, Palo Alto CA (virtual event), Mar 9 2021.
- Conversation, *The Fight to Take Back Our Planet,* The World Today Series, Perry World House, University of Pennsylvania, Philadelphia PA (virtual event), Mar 9 2021.
- Panel discussion, *Understanding and Responding to Climate Extremes*, Boston Tech Hub Faculty Working Group, Harvard University, Cambridge MA (remote), Mar 9 2021.
- Conversation (with Kim Stanley Robinson, moderated by Lydia Millet), *The Future is Now for Climate Change: A Conversation with Authors Michael Mann and Kim Stanley Robinson,* 2021 Tucson Festival of Books (virtual event), Mar 6 2021.
- Panel discussion, *Making Sense of the Climate Emergency: What Is? What If? What Next?*, Bound Forward, Transition Network, UK (remote), Mar 4 2021.
- Panel discussion, *The Policy, Politics, Economics, Climate Science, Jobs, and Justice Behind Biden's Plan for 100% Clean Electricity by 2035*, Chesapeake Climate Action Network (remote), Feb 24 2021.
- Invited lecture, *Winning The New Climate War: The Fight to Take Back Our Planet*, Skeptical Inquirer: Flattening the Curve of the Infodemic Series, Center For Inquiry (remote), Feb 18 2021.
- Conversation (with Sasha Sagan), *Green Series: Michael Mann on The New Climate War with Sasha Sagan,* Brooklyn Public Library (virtual event), Feb 17 2021.
- Lecture and panel discussion, *Climate strategies – Beyond politics: Transforming US & Australian perspectives*, Climate and Peace Forum, Rotary Clubs of Sydney Cove, Sydney, Darling Harbour and Corrimal, Sydney Australia (remote), Feb 15 2021.
- Invited lecture, *The New Climate War: The Fight to Take Back Our Planet*, The Grantham Research Institute on Climate Change and the Environment, London School of Economics and Political Science, London UK (remote), Feb 15 2021.
- Invited lecture, *How to Win the New Climate War: The Fight to Take Back Our Planet*, Conference on The Responsibilities of the Geoscientist in the 21st Century, Imperial College London, London UK (remote), Feb 10 2021.
- Town hall event, *How to Win the New Climate War: The Fight to Take Back Our Planet*, National Center for Atmospheric Research (NCAR), Boulder CO (remote), Feb 8 2021.
- Conversation with host Steve Curwood, *Michael Mann & Living on Earth: The New Climate War: The Fight to Take Back Our Planet,* Boston University (virtual event), Feb 4 2021.
- Conversation (with Leah Stokes, moderated by Greg Dalton), *This Moment in Climate with Michael Mann and Leah Stokes,* Climate One / Commonwealth Club (virtual event), Jan 19 2021.
- Book event, *Michael E. Mann in conversation with Robert. D. Bullard: The New Climate War*, The New Scholar Bookshop and PennFuture co-sponsors (virtual event), Jan 12 2021.
- Panel discussion, *The EU and the United States: Transatlantic Cooperation Redesigned for Climate Action*, Understanding the Geopolitics of Climate Group, Carnegie Europe (remote), Dec 17 2020.
- Invited lecture, "Volcanic Eruptions and Climate", AGU Fall meeting (remote), Dec 9 2020.
- Conversation (with Baba Brinkman), AGU Fall meeting: "Virtually Happy Hour" with performance artist Baba Brinkman, Dec 8 2020.
- Stephen Schneider lecture, AGU Fall meeting:*"The New Climate War: The Fight to Take Back Our Planet"* (remote), Dec 7 2020.
- Presentation and Q&A, *Weather Channel Executive Leadership Meeting*, The Weather Channel (remote), Dec 3 2020.

- Invited video presentation, AGU Fall meeting: "2020 Ignite at AGU: Rah Rah Videos" (virtual), Dec 2 2020.
- Presentation and Q&A, *Virtual House Party*, PennFuture (remote), Dec 1 2020.
- Conversation and Q&A, *Climate Talk with Dr. Michael Mann*, Anthropocene Google Group (remote), Nov 18 2020.
- Panel discussion*, Communicating Climate in a Complex World,* Penn State Institutes of Energy and the Environment/COMPASS (remote), Oct 28 2020.
- Speaker*,* Virtual Reception/benefit for Peter Buck for State Representative, State College PA (remote), Oct 25 2020.
- Panel discussion, "Tracking Threats as Climate Science, Law and Politics Collide" (hosted by Andrew Revkin), Earth Institute, Columbia University, New York NY (remote), Oct 23 2020.
- Guest Lecture COMM 305 ("Introduction to Critical Studies of Media"), Instructor: Michelle Rodino-Colocino, Penn State University, University Park PA, Oct 23, 2020.
- Guest discussion, *College Dems and the Environment*, Penn State College Democrats, State College PA (remote), Oct 19 2020.
- Conversation, *Ten Burning Questions on Climate Change: Ask Climate Scientist Michael Mann,* The Better Path Coalition PA/ Lebanon Valley College (remote), Oct 14, 2020.
- Conversation, *Climate Change Q&A with Kim Stanley Robinson and Michael Mann*, Orbit Live/Crowdcast (remote), Oct 7, 2020.
- Guest lecture EM SC 100S ("Science Communication"), Instructor: Erin DiMaggio, Penn State University, University Park PA, Oct 6, 2020.
- Guest discussion, 7th Grade Science Class, Greene Street Friends Middle School, Philadelphia PA (remote), Sep 18 2020.
- Lecture and Panel Discussion, *Lessons from a Pandemic: Solutions for Addressing the Climate Change Crisis*, Trottier Symposium, McGill University (remote), Sep 16 2020.
- Conversation with Bloomberg Green Editor Aaron Rutkoff, *Bloomberg Green Virtual Festival,* Bloomberg Green (remote), Sep 16 2020.
- Keynote Lecture, "*How to Win the New Climate War: The Fight to Take Back our Planet*", 8th Annual World Sustainability Forum (webinar), Basil Switzerland, Sep 15 2020.
- Conversation, "Discussing the Science of Climate Change with Professor Michael Mann", *Fridays For Future* online (remote), Aug 28 2020.
- Presentation "*The role of the rainforest on the Earth's climate*", Workshop on Research Opportunities Involving Peru and U.S. Scientists, Penn State University (webinar), Aug 13 2020.
- Panel discussion*, The Government's 2035 Electric Car Revolution***,** Virgin/Envision Racing "Race Against Climate Change" event (remote), Aug 5 2020.
- Conversation on "The Science of Climate Change" (with Lee Kump and Amy Bass), *Going Green,* New Rochelle Public Library (remote), Aug 4 2020.
- Panel discussion*, Youth Environmental Summit,* Audubon Society (remote), Aug 1 2020.
- Conversation on Climate Change and COVID, *Donors Event*, PennFuture (remote), Jul 15 2020.
- Presentation and panel discussion, "*Building Wildfire Resilience in the West: Megafire - The New Abnormal*", Hewlett Foundation/Philanthropy California (webinar), Jul 14 2020.
- Guest speaker, Our Changing Climate Series, North County (San Diego) Climate Change Alliance (remote), Jul 9 2020.
- Keynote Presentation, "*Dire Predictions: Understanding Climate Change*", Investment Management Chief Investment Officers Conference, Zurich Insurance (remote), Jul 8 2020.

- Speaker*, A Green Future*, conversation with co-hosts Heidi Hutner and Dennis Yerry , Flobel Angels online learning (livestream), Jul 7 2020.
- Lecture and panel discussion, "*Climate Change and Extreme Weather Impacts in Pennsylvania*", Pennsylvania Environmental Resource Consortium ("PERC")(webinar), Jun 30 2020.
- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", Penn State Research Experience for Undergraduates (REUs) on Climate Science/Project Drawdown (webinar), Penn State University, University Park PA, Jun 25 2020.
- Panel discussion*, Death or Utopia in the Next Three Decades* (Virtual round table discussion), Asilomar Microcomputer Workshop / Stanford University, Jun 4 2020.
- Presenter*,101 on Climate Change*, U.N. Global Compact Network Australia (webinar), Jun 3 2020.
- Speaker*,* The Climate Superheroes® Webcast Series, Association of Climate Change Officers (livestream), Jun 1 2020.
- Keynote Presentation, "How to Win The New Climate War: The Plan to Take Back Our Planet from the Polluters", 21st Century Leadership Circle Spring 2020 Reception, Centre County Democratic Community, State College PA (remote), May 19 2020.
- Invited lecture, "How to Win The New Climate War: The Plan to Take Back Our Planet from the Polluters", EGU General Assembly, Vienna, Austria (remote), May 8 2020.
- Speaker*, Amazon Sick Out,* Amazon Employees for Climate Justice (livestream), Apr 24 2020.
- Panel discussion*, Climate Change in Central PA,* Peter Buck for State Representative Livestream Series, State College PA, Apr 23 2020.
- Panel discussion*, The impacts of climate change on institutional investors with Michael Mann,* Centre for Corporate Sustainability and Environmental Finance, Macquarie University/University of New South Wales, Sydney Australia, Mar 19 2020.
- Keynote presentation and panel discussion*, Our House is on Fire: How Universities Can Become Advocates for Climate Action,* University of Sydney Business School/Sydney Environment Institute, Sydney Australia, Mar 3 2020.
- Keynote presentation and panel discussion*, Industry, Climate Change, Business and Finance: What Is the Latest Science and How Worried Should We Be?*, University of Sydney Business School/Sydney Environment Institute/Lendlease Group, Sydney Australia, Mar 2 2020.
- Sydney Skeptics special dinner – *Dr Michael Mann on climate change*, Australian Skeptics, Sydney Australia, Feb 29 2020.
- Business meeting with Macquarie Group "Green Investment Team", Sydney Australia, Feb 28 2020.
- Panel discussion*, Questions of Management and Policy Amidst Australia's Bushfire Crisis*, University of Sydney Business School/Sydney Environment Institute, Sydney Australia, Feb 26 2020.
- Lecture, "*The Physics of Climate Change*"*,* School of Physics lecture series, University of New South Wales, Sydney Australia, Feb 25 2020.
- Speaker, *Sydney Environment Institute Researchers Welcome Lunch*, University of Sydney, Sydney Australia, Feb 24 2020.
- Panel discussion*, Climate Emergency Roundtable*, Global Compact Network Australia, UTS Business School, Sydney Australia, Feb 20 2020.
- Keynote address, Australian Museum Foundation Annual President's Circle Dinner, Deutsche Bank Tower, Sydney Australia, Feb 19 2020.
- Meeting with Zali Steggall, Independent M.P. for Warringah, Manly Australia, Feb 17 2020.
- Panelist, *Ecosystems in Collapse: The Biodiversity and Ecological Emergency,* National Climate Emergency Summit, Melbourne Australia, Feb 14 2020.

- Keynote address, *The New Climate Reality Check: What's the Emergency?*, National Climate Emergency Summit, Melbourne Australia, Feb 14 2020.
- Presentation to Australian fund managers and institutional investors, *A Discussion with Michael Mann*, hosted by Paradice Investment Management, Melbourne Australia, Feb 13 2020.
- Presentation to Australian fund managers and institutional investors, *A Discussion with Michael Mann*, hosted by Paradice Investment Management, Sydney Australia, Feb 12 2020.
- Invited presentation, *Climate Change - Past, Present and Future. How much do we know and how do we know it?*, Science & Technology Series, Australian Club, Sydney Australia, Feb 6 2020.
- Lecture, "*Absence of Internal Multidecadal and Interdecadal Oscillations in the Climate System*", CCRC Seminar, University of New South Wales, Sydney Australia, Jan 29 2020.
- Invited panel discussion, AGU Fall meeting: "Governor Jerry Brown in Conversation with AGU Scientists: Protecting Earth's climate for the next 100 years", San Francisco CA, Dec 11 2019.
- Panel discussion, "*Beyond Climate Denial: Exposing the Fossil Fuel Industry's Latest Tactics",* Center for Biological Diversity, Children's Creativity Museum, San Francisco CA, Dec 10 2019.
- Invited presentation, AGU Fall meeting: *"Absence of Internal Multidecadal and Interdecadal Oscillations in the Climate System",* San Francisco CA, Dec 10 2019.
- Invited panel discussion, AGU Fall meeting: "Aligning U.S. Energy Policy with a 1.5°C Climate Limit: How to Design and Manage a Fossil Fuel Extraction Phaseout and an Equitable Energy Transition" San Francisco CA, Dec 9 2019.
- Invited presentation, AGU Fall meeting: *"Emissions Reductions Required to Avoid Breaching Paris Limits",* San Francisco CA, Dec 9 2019.
- Lecture and book-signing, "*Leaving the Madhouse: The Path to Climate Action*", Ruth Pauley Lecture Series, Sandhills Community College, Pinehurst NC, Dec 5 2019.
- Climate change discussion with students, Pinecrest High School, Southern Pines North Carolina, Dec 5, 2019.
- Invited lecture and book-signing, "*Dire Predictions: Understanding Climate Chane and its Impacts on Florida*", Leif Nissen Social Justice Lecture, Leif Nissen Foundation, Temple Beth-El, St. Petersberg FL, Nov 15 2019.
- Panel Discussion and event (with Emily Edmonds-Langham and Amy Schatz, moderated by Faith Salie), "*How To Talk to Your Child About Climate Change*", American Museum of Natural History, New York NY, Nov 13 2019.
- Invited lecture and book-signing, *Urgency & Agency in the Battle to Avert a Climate Crisis*, Russell Cole Distinguished Lectureship, Colby College, Waterville ME, Oct 30, 2019.
- Meeting with U.S. Senator Robert Casey Jr. (D-PA), Russell Senate Building, Washington DC, Oct 29 2019.
- Invited lecture and book-signing, "*Urgency and Agency in the Battle to Avert a Climate Crisis*", Capital One, Henrico VA, Oct 28 2019.
- Climate Dialogue with Michael Mann, Delaware Environmental Institute, University of Delaware, Newark DE, Oct 21 2019.
- Keynote lunchtime lecture and book-signing, "*How to Win the New Climate War: The Plan to Take Back Our Planet from Polluters*", Center for Inquiry Annual CSICon conference, Las Vegas NV, Oct 18 2019.
- Invited lecture, "*How to Win the New Climate War: The Plan to Take Back Our Planet from Polluters*", 350.Org Australia", Sydney Australia, Oct 14 2019.
- Invited lecture, "*Dire Predictions: Understanding Climate Change*", Investor Group on Climate Change Summit, Sydney Australia, Oct 14 2019.

- Panel Discussion, "*Why is climate change so hard?*", Investor Group on Climate Change Summit, Sydney Australia, Oct 13 2019.
- Invited lecture, "*Return to the Madhouse: Climate Change Denial in the Age of Trump*", Burack President's Distinguished Lecture, University of Vermont, Burlington VT, Oct 10 2019.
- Invited lecture, "*Dire Predictions: Understanding Climate Change*", Windrows Retirement Community, Princeton NJ, Oct 5 2019.
- Presentation and panel discussion, The 'Human' between History and Science: "Questions of Scale, Questions of Value", Department of History/Department of Asian Studies/Humanities Institute, Penn State University, University Park PA, Oct 3 2019.
- Presentation and discussion, *Countering Common Climate Myths with Dr. Michael E. Mann and Tim Guinee,* Climate Reality (webinar), Sep 27 2019.
- Speaker, *Strong Climate Friendly Travel Dinner,* The Climate Group/SDG Partners/Climate Week NYC, Explorers Club, New York NY, Sep 24 2019.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Mid-Atlantic Renewable Energy Association (MAREA), Breinigsville, PA (via internet), Sep 24, 2019.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Indiana University of Pennsylvania, Indiana PA, Sep 19 2019.
- Guest discussion, FYE 11: *People and the Planet*, Lebanon Valley College (via internet), Annville PA, Sep 13, 2019.
- Guest lecture on "The Hockey Stick and the Climate Wars: The Battle Continues", ENGRI 1160: *Climate Change and You, the Engineer*, Cornell University (via internet), Ithaca NY, Sep 10, 2019.
- Panel Discussion, "*The Youth Climate Movement Could Save the Planet*", 2019 Hamptons Institute series of topical panel discussions, Guild Hall, East Hampton NY, Aug 5 2019.
- Participant, Envision Virgin Racing "Race Against Climate Change" panel, Brooklyn NY, Jul 12 2019.
- Convocation Speaker, McMaster University, Hamilton OT, Jun 13 2017.
- Presentation, "*Dire Predictions: Understanding Climate Change*", Workshop on Ethics of Climate Change, Penn State Sustainability Institute, Penn State University, University Park PA, May 9 2019.
- Lecture and panel discussion, "*Climate Change: The Battle Continues*", Tyler Prize Laureate Lecture, San Francisco CA, May 2 2019.
- Panel Discussion, "*Urgency and Agency: As the Climate Threat Mounts, A Call for Public Engagement and Action*", Empowering Capable Climate Communicators Symposium, The CLEO Institute, Miami FL, Apr 26 2019.
- Workshop for Media & Meteorologists, Empowering Capable Climate Communicators Symposium, The CLEO Institute, Miami FL, Apr 26 2019.
- Keynote Lecture, "*Urgency and Agency: As the Climate Threat Mounts, A Call for Public Engagement and Action*", Empowering Capable Climate Communicators Symposium, The CLEO Institute, Miami FL, Apr 26 2019.
- Keynote Lecture, "*Urgency and Agency: Can Law Save Us From Climate Change? A Call for Public Engagement & Action*", The Third National Conference of Lawyers Committed to Addressing the Climate Emergency, Philadelphia PA, Apr 18 2019.
- Invited lecture, "*Urgency and Agency: As the Climate Threat Mounts, A Call for Public Engagement and Action*", 2019 Jones Lecture, Lafayette College, Easton PA, Apr 16, 2019.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", 2019 Praxis Award Ceremony, Villanova University, Villanova PA, Apr 11, 2019.

- Invited presentation, "*The Role of the Thermohaline Circulation in Climate Variability and Climate Change: The Legacy of Suki Manabe*", Mini-Symposium in honor of Syukuro Manabe for his great contributions to climate science, Department of Meteorology and Atmospheric Science/ADAPT, Penn State University, Apr 10 2019.
- Invited lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Annual Asprey CCAS Engaging Science Book Club lecture, Vassar College, Poughkeepsie NY, Apr 8, 2019.
- "*Conversation about climate change",* Environmental Systems Engineering Society, Penn State University, University Park PA, April 2 2019.
- "*A Climate Conversation with Michael E. Mann",* Climate Reality Project, Ashokan Center, Olivebridge NY, Mar 30 2019.
- Invited lecture and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Penn Science Policy & Diplomacy Group and 314 Action, University of Pennsylvania, Philadelphia PA, Mar 23 2019.
- Discussion, "*Q/A Session with Dr. Michael Mann",* World Campus Sustainability Club, Penn State University (webinar), Mar 21 2019.
- Guest lecture COMM 405, Instructor: Michele Rodino-Colocino, Penn State University, University Park PA, Mar 15 6 2019.
- Lead off speaker, *Climate Crisis Hearing*, sponsored by Pennsylvania State Auditor General Eugene DePasquale, Penn State University, Mar 14 2019.
- Invited lecture and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Starr Forum, Massachusetts Institute of Technology, Cambridge MA, Mar 6 2019.
- Invited lecture and book-signing, "*Dire Predictions: Understanding Climate Change*", University of Massachusetts-Boston, Boston MA, Mar 5 2019.
- Panel discussion, *What makes Science "Science"*, Penn State University Science Policy Society, Schlow Library, State College PA, Feb 26 2019.
  Presentation, *Dire Predictions: Understanding Climate Change*, Faculty Networking Lunch, Smeal College of Business, Penn State University, University Park PA, Feb 25 2019.
- Presentation, "*Quantum Mechanics, Waveguides, Climate Change & Extreme Weather*", Inaugural *Nerd Nite State College* event, Webster's Books & Café, State College PA, Feb 13 2019.
- Guest lecture RLST 197, Instructor: Jonathan Brockopp, Penn State University, University Park PA, Feb 16 2019.
- Presentation to U.S. Senate Climate Change Task Force (including U.S. Senators Cardin, Markey, Schatz, Stabenow, Whitehouse), Capitol Building, Washington DC, Jan 29 2019.
- Presentation and discussion, *Outside the Green Choir: Reaching Alternative Audiences and Addressing Common Climate Myths – with Dr. Michael Mann and Tim Guinee*, Climate Reality (webinar), Jan 24 2019.
- Invited presentation, AGU Fall meeting: "*Explaining Climate Change to Politicians and Children*", Washington DC, Dec 10 2018.
- Invited presentation (co-authors S. Rahmstorf, Kornhuber, K, Steinman, B.A., Miller, S.K., Coumou, D., Petri, S.), AGU Fall meeting: "*Climate Change and Extreme Summer Weather Events*", Washington DC, Dec 10 2018.
- Panel discussion, *Science to Policy: Effective Communication with Policy Decision Makers,* American Geophysical Union Student and Early Career Scientist Conference*,* Washington DC, Dec 9 2018.

- Public event "*A Conversation with Michael Mann*", Woods Institute for the Environment, Stanford University, Palo Alto, Nov 30 2018.
- Guest discussion (web), 7th Grade Science Class, Springfield Renaissance Middle School, Springfield MA, Nov 19, 2018.
- Invited presentation, "*Dire Predictions: Understanding Climate Change*", Climate Change Science Unfiltered, Distinguished Lecture Series, University of Alabama Huntsville, Huntsville AL, Nov 15, 2018.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Philosophy and Climate Change Colloquium, Hobart and William Smith Colleges, Geneva NY, Nov 12, 2018.
- Panel discussion, *Climate Change Workshop,* Supporting Women in Geography at Penn State, Penn State University, University Park PA, Nov 9 2018.
- Climate Change Informational Webinar, Affirmative Investment Management, Nov 9 2018.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Department of Economics Seminar Series, Wesleyan University, Middletown CT, Oct 25, 2018.
- Guest lecture SC 200, Instructor: Jason Wright (10/23/18) Penn State University, University Park PA, Oct 23 2018.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*",, Center for Climate and Energy Decision Making, Carnegie Mellon University, Pittsburgh PA, Oct 22 2018.
- 2018 Beckman-Brown Interdisciplinary Lecture, "*Dire Predictions: Understanding Climate Change*", Beckman Institute, University of Illinois, Urbana-Champagne IL, Oct 15 2018.
- Invited presentation, "*Dire Predictions: Understanding Climate Change*", Telling Climate Change Stories that Matter: From Impacts to Solutions, Society of Environmental Journalists, Annual Meeting of the Society of Environmental Journalists, Flint MI, Oct 3 2018.
- Public lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Crosslands Retirement Community, Kennett Square PA, Sep 29, 2018.
- Panel discussion, *Renewable 2050 Town Hall*, Ezra Nanes for Pennsylvania State Senate 34th District, State College PA, Sep 24 2018.
- Webinar and discussion, "*Dire Predictions: Understanding Climate Change*", PennFuture, Sep 24 2018.
- Keynote Presentation, "*Climate Change and Extreme Summer Weather Events*", Ny-Ålesund Symposium 2018: *Navigating Climate Risk*, Ny-Ålesund, Svalbard, Sep 17 2018.
- Guest lecture EM SC 100S, Instructor: Greg Jenkins, Penn State University, University Park PA, Sep 13 2018.
- Guest lecture COMM 405, Instructor: Michelle Rodino-Colocino, Penn State University, University Park PA, Sep 12 2018.
- Invited presentation, "*Warning Washington: The Public Policy Legacy of Warren Washington*", Warren Washington Legacy Symposium, Department of Meteorology and Atmospheric Science, Penn State University, Sep 6 2018.
- Climate change panel discussion featuring distinguished Penn State alumnus Dr. Warren M. Washington, Penn State Institutes of Energy and the Environment, Penn State University, University Park PA, Sep 5 2018.
- Public Lecture, "*Dire Predictions: Understanding Climate Change",* Sustainability Showcase, Sustainability Institute, Penn State University, University Park PA, Aug 31 2018.

- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", 10th Annual Research Experience for Undergraduates/Research Experience for Teachers Summer Symposium, Penn State University of South Florida and the West Central, Aug 2 2018.
- Keynote Lecture, "*The Madhouse Effect: Climate Denial in the Age of Trump*", Ninth Annual Rhode Island Energy, Environmental and Oceans Leaders Day Conference, Providence RI, Jul 20 2018.
- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", Weather, Climate, and Society Research Experience for Undergraduates (REU), University of South Florida and the West Central Florida Chapter of the American Meteorological Society (webinar), Jun 5 2018.
- Participant, DS Virgin Racing "Race Against Climate Change" event, New York NY, Jul 14, 2018.
- Participant, DS Virgin Racing "Race Against Climate Change" panel, Brooklyn NY, Jul 13, 2018.
- Keynote Speaker, Roundtable on Climate Change, Sea Level Rise & Environment Issues with Andy Kim, Philadelphia PA, Jun 27 2018.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Università Degli Studi di Torino, Torino Italy, Jun 22 2018.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Università Ca Foscari, Venice Italy, Jun 20 2018.
- Public Lecture and interview, "*La Terra Brucia - Incontro con Michael E. Mann*", Museo delle-Scienze, Trent Italy, Jun 18 2018.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Conference: The monumental challenge of climate change after the Paris Agreement, Politechnico di Melano, Milan Italy, Jun 18, 2018.
- La Terra Brucia ("The Madhouse Effect") panel, Radio Popolare Festival, Milan Italy, Jun 16 2018.
- Panel discussion and book-signing, *Climalteranti* 10th anniversary celebration, Lodi Italy, Jun 15 2018.
- Presentation and panel discussion, *Conversations on Climate Change*, sponsored by Spilman Thomas & Battle LLC, University of Charleston, Charleston WV, Jun 12 2018.
- Speaker and guest of honor, "Celebrate Climate Science!" event, Citizens Climate Lobby West Virginia, Charleston WV, Jun 12 2018.
- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", Penn State Research Experience for Undergraduates (REU) on Climate Science, Penn State University, University Park PA, Jun 5 2018.
- Presentation and panel discussion, *Perspectives on Global Climate Change*, National Academy of Engineering Topical Meeting, Case Western Reserve University, Cleveland OH, May 24 2018.
- Book club discussion, "*The Madhouse Effect*", Council of Science Editors Annual Meeting, New Orleans LA, May 7, 2018.
- Keynote Lecture and book-signing, "*The Hockey Stick and the Climate Wars*", Council of Science Editors Annual Meeting, New Orleans LA, May 7, 2018.
- Presentation, panel discussion and book-signing, *Annapolis Book Festival*, The Key School, Annapolis MD, Apr 28 2018.
- Guest lecture COMM 405, Instructor: Michelle Rodino-Colocino, Penn State University, University Park PA, Apr 25 2018.
- Keynote Lecture and book-signing, "*The Madhouse of Climate Denial*", "Preserving and Cherishing the Earth" Earth Day event, OM Sanctuary, Asheville NC, Apr 22, 2018.
- Presentation and panel discussion, *Atlantic Currents: Winds, Waters, and Migrations*, Carnegie Nexus, Carnegie Museum of Art, Pittsburgh PA, Apr 19 2018.

- Community Conversation with Dr. Michael Mann, in conjunction with 2018 Berkshire Earth Expo/Environmental Action Fair, The Stationary Factory, Dalton MA, Apr 14, 2018.
- Lecture and book-signing, "*The Madhouse Effect: A Post-Election Climate Change Update*", Berkshire Community College, Pittsfield MA, Apr 14, 2018.
- Lecture and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Institute for Sustainability, Energy, and Environment and Center for Advanced Study, University of Illinois, Urbana-Champaign IL, Apr 6, 2018.
- Guest lecture COMM 100, Instructor: Michelle Rodino-Colocino, Penn State University, University Park PA, Apr 4 2018.
- Lecture and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", The City Club of Cleveland, Cleveland OH, Mar 30, 2018.
- Invited lecture, "*Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events*", *Taylor Fest 2018* (honoring Professor Philip Taylor on his 80th birthday), Department of Physics, Case Western Reserve University, Cleveland OH, Mar 29, 2018.
- Public lecture and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Ohio University, Athens OH, Mar 28, 2018.
- Panel Discussion, *Academic Freedom – In and Out of The Classroom,* Penn State University AAUP Chapter, University Park PA, Mar 23, 2018.
- Invited lecture, "*The Dangers of Climate Change Denial*", Program in Environmental & Sustainability Studies, Vanderbilt University, Nashville TN, Mar 20, 2018.
- Book Reading & Discussion for "*The Tantrum That Saved the World*", Mt. Nittany Middle School, Boalsburg PA, Mar 1, 2018.
- Screening and panel discussion for "*Chasing Coral*", Center for Marine Science and Technology at Penn State, Penn State University, University Park PA, Feb 28, 2018.
- Panel Discussion, *Michael Mann in conversation with Kim Hill,* Pacific Climate Change Conference 2018, Wellington NZ, Feb 22, 2018.
- Keynote Lecture, "*Dire Predictions: Understanding Climate Change*", Pacific Climate Change Conference 2018, Wellington NZ, Feb 21, 2018.
- Discussant, *AAAS Annual meeting*, session on "Understanding and Responding to Climate Change Denial", Austin TX, Feb 17, 2018.
- Panel Discussion, *Climate Change and Policy: An Expert Q&A*, 314 Action Central Texas, Austin TX, Feb 16, 2018.
- Lecture and Discussion, "*The Madhouse Effect: How Climate Denial Threatens our Planet, People & Politics*", Harvard Kennedy School, Cambridge MA, Feb 14, 2018.
- Lecture and book-signing, "*A Return to the Madhouse: Climate Change Denial in the Age of Trump*", Geography Speaker Series, Ohio State University, Columbus OH, Feb 9, 2018.
- Invited lecture, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Lebanon Valley College, Annville PA, Feb 6, 2018.
- Guest lecture RLST 197, Instructor: Jonathan Brockopp, Penn State University, University Park PA, Jan 23 2018.
- Featured speaker and guest of honor, The Seventh Annual Stephen H. Schneider Award for Outstanding Climate Science Communication, *Climate One*, Commonwealth Club, San Francisco CA, Jan 16, 2018.
- Invited presentation (co-authors S. Rahmstorf, Kornhuber, K, Steinman, B.A., Miller, S.K., Coumou, D.), *AGU Fall meeting*: "*Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events*", New Orleans, LA, Dec 14, 2017.

- Invited panel discussion*, The 'Doomed Earth' Controversy*, Kavli Conversations on Science Communication, NYU School of Journalism, New York NY, Nov 30, 2017.
- Invited faculty seminar, "*A Return to The Madhouse: Climate Change Denial in the Age of Trump*", Bentley University, Waltham MA, Nov 17, 2017.
- Public lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Bentley University, Waltham MA, Nov 16, 2017.
- Invited guest lecture, "*Dire Predictions: Understanding Climate Change* Bentley University, Waltham MA, Nov 16, 2017.
- Invited presentation, "*Dire Predictions: Understanding Climate Change",* Annual Westbrook Lecture, Wagner Free Institute of Science, Philadelphia PA, Nov 11, 2017.
- Guest Lecture PHYSICS 420, Instructor: Jainendra Jain, Penn State University, University Park PA, Nov 10, 2017.
- Guest Lecture SUST 200, Instructor: Peter Buckland, Penn State University, University Park PA, Nov 9, 2017.
- Invited presentation, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Center for Inquiry Annual CSICon conference, Las Vegas NV, Oct 27, 2017.
- Featured speaker, Climate change discussion, YPO Gold-Los Angeles Chapter, Greystone Mansion, Beverly Hills CA, Oct 26, 2017.
- Invited presentation (M. Mann; co-authors: A. Schurer, E. Hawkins, S. Tett, G. Hegerl), *GSA annual meeting*: "Importance of the pre-industrial baseline in determining the likelihood of exceeding the Paris limits", Seattle WA, Oct 24, 2017.
- Invited presentation, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Annual Rothermal Lecture, Rothermal Foundation, New Bern NC, Oct 22, 2017.
- Featured speaker and panelist *Climate Reality Project* Leadership Corp Training Conference, David L. Lawrence Convention Center, Pittsburgh PA, Oct 18, 2017.
- Featured speaker, "What's Up with the Weather? A conversation w/ Dr. Michael Mann", The Barking Dog, Bethesda MD, Oct 14, 2017.
- Guest Lecture SC 200, Instructor: Jason Wright, Penn State University, University Park PA, Oct 12, 2017.
- Guest lecture EM SC 100S, Instructor: Greg Jenkins, Penn State University, University Park PA, Oct 10, 2017.
- Invited presentation (and receipt of award) "*Dire Predictions: Understanding Climate Change",* International Green Industry Hall of Fame Annual Conference & Induction Ceremony, Clovis CA, Oct 6, 2017.
- Featured speaker, "Climate Change Cliff Notes", La Brea Tar Pits Museum, Los Angeles CA, Oct 5, 2017.
- Invited presentation, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", 2017 Davis, Markert, and Nickerson Academic Freedom Lecture, University of Michigan, Ann Arbor MI, Oct 3, 2017
- Featured speaker, "The Count Down to Climate Change", North Carolina Climate Change Solutions Coalition, Charlotte NC, Sep 23, 2017.
- Facebook Live Q&A on Hurricanes and Climate with Jeff Berardelli of CBS 12 Television News WPEC, Southern Florida, Sep 21, 2017.
- Guest lecture COMM 411, Instructor: Michelle Rodino-Colocino, Penn State University, University Park PA, Sep 14, 2017.

- Panel discussion and book-signing, *Global Warming is not a Chinese Hoax*, Natural Science & Mathematics Colloquium series, St. Mary's College, St. Marys City MD, Sep 12, 2017.
- *PennFuture* Fireside Chat on Climate Change, Nature Inn, Bald Eagle State Park PA, Sep 11, 2017.
- Invited presentation, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Faculty Invitational Lecture Series, Penn State University Lehigh Valley, Center Valley PA, Sep 8, 2017.
- Invited presentation, "*Dire Predictions: Understanding Climate Change",* Sustainability Showcase, Sustainability Institute, Penn State University, University Park PA, Sep 1, 2017.
- Invited presentation, "*Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events",* CCRC Seminar, University of New South Wales, Sydney, Australia, Aug 17, 2017.
- Presentation, panel discussion and book-signing, "*The Madhouse Effect: What is Stopping Action on Climate Change*", UNSW Grand Challenges Event, Sydney Opera House, Sydney Australia, Aug 16, 2017.
- Presentation and panel discussion, "*Dire Predictions: Understanding Climate Change*", Cli-Fi: Big Ideas for the Small Screen, UNSW/ABC/JUNGLE, Sydney Australia, Aug 16, 2017.
- Participant, "Climate Crisis" Town Hall event with Al Gore, hosted by Anderson Cooper, CNN, Aug 1, 2017.
- Screening and Audience Q&A for "*Before The Flood*", summer New York Wild Film Festival Event, Southampton NY, Jul 29, 2017.
- Speaker, Virgin© Innovation Summit, hosted by Sir Richard Branson, Brooklyn Naval Yard, Brooklyn NY, Jul 14, 2017
- Keynote lecture and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Sustainability Curriculum Consortium Faculty Conference, Penn State Sustainability Institute, Philadelphia PA, Jun 27, 2017
- Interview with PBS host Alexander Heffner, "*The Future of our Climate",* Nature Week Program, Mohonk Mountain House, New Paltz NY, Jun 16, 2017.
- Screening and Audience Q&A for "*Bill Nye: Science Guy*", Human Rights Watch Film Festival, New York NY, Jun10, 2017.
- Invited presentation, "*Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events",* 6th International Summit on Hurricanes and Climate Change, Crete, Greece, Jun 8, 2017.
- Introductory lecture, "*Dire Predictions: Understanding Climate Change*", Penn State Research Experience for Undergraduates (REU) on Climate Science, Penn State University, University Park, PA, May 31, 2017.
- Panel discussion, "*Perspectives on Climate Change and Clean Energy",* 2017 Pittsburgh Energy Forum Series, hosted by the Pittsburgh Post-Gazette, Heinz History Center, Pittsburgh PA, May 22, 2017.
- Commencement Speaker, Green Mountain College, Poultney VT, May 13, 2017.
- Presentation and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", University of Nebraska-Omaha, Omaha NE, May 7, 2017.
- Speaker, Berkshire-Hathaway annual Shareholders meeting, Omaha Nebraska, May 7, 2017.
- Invited presentation, "*U.S. Climate Science, Challenges, and Opportunities*", National Climate Seminar, Bard Center for Environmental Policy (teleconference), Bard College, May 3, 2017
- Invited Presentation and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", University at Buffalo, Buffalo NY Apr 28, 2017.

- Guest video lecture, Journalism and Society (instructor Seth Borenstein), NYU Journalism School Washington DC, Apr 26, 2017.
- Featured speaker, *The March for Science*, Washington DC, Apr 22, 2017.
- Keynote lecture and book-signing "*Exiting The Madhouse: The Legacy of Massachusetts v. EPA* ", University of Connecticut Law School, Hartford CT, Apr 21, 2017.
- Online Q&A, Reddit Science "Ask Me Anything" (AMA) Series, Apr 17, 2017.
- Invited lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Foxdale Village, State College PA, Apr 13, 2017.
- Panel discussion, "*The Real Story of Fake News",* Coalition of Concerned Faculty at Penn State, Penn State University, University Park PA, Apr 10, 2017.
- Climate change discussion with students, Christopher Dock Mennonite High School, Apr 3, 2017.
- Guest lecture, Earth 498, Instructor: Maureen Feineman, Penn State University, University Park PA, Mar 30, 2017.
- Presentation and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Milwaukee Public Museum, Milwaukee WI, Mar 16, 2017.
- Invited presentation, "*Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Event",* American Physical Society March Meeting, New Orleans LA, Mar 14, 2017.
- Invited presentation, "*Dire Predictions: Understanding Climate Change*", Spring 2017 EarthTalks series, Earth and Environmental Systems Institute, Penn State University, University Park PA, Feb 27, 2017.
- Screening and Audience Q&A for "*Before The Flood*", New York Wild Film Festival, New York NY, Feb 25, 2017.
- Guest lecture COMM 100 Michelle Rodino-Colocino, Penn State University, University Park PA, Feb 21, 2017.
- Invited presentation, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", SustainableUX online conference, Feb 16 2017.
- Presentation and book-signing, "*The Madhouse Effect: Climate Change Denial in the Age of Trump*", Sydney Environmental Institute, University of Sydney, Sydney Australia, Feb 8, 2017.
- Keynote Speaker and Workshop Participant, "Climate Change and Climate Politics: Where to Now?", Sydney Environment Institute, University of Sydney, Sydney Australia, Feb 7 2017.
- Presentation and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Webster's Bookstore Café, State College PA, Jan 29, 2017.
- Invited lecture, "*How to Heal Earth's Climate*", The 2017 Penn State Lectures on the Frontiers of Science, Penn State University, University Park PA, Jan 21, 2017.
- Presentation and Q &A, Science On Tap event, Penn State Science Policy Society, State College, PA, Jan 17, 2017.
- Virtual Town Hall event, Association of Climate Change Officers, Jan 17, 2017.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", School of Earth & Ocean Sciences, University of Victoria, Victoria BC, Canada, Jan 4, 2017.
- Keynote lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", American Geophysical Union/Climate Science Legal Defense Club Joint Symposium on Law And Science, San Francisco CA, Dec 14, 2016.

- Speaker, Press Conference & Rally to Stand Up For Science, The Natural History Museum/ ClimateTruth.org/Greenpeace USA/Sierra Club, SF Bay Chapter, San Francisco CA, Dec 13, 2016.
- Panel discussion, "*Is Climate Denial Destroying Our Planet",* Climate One, Commonwealth Club, San Francisco CA, Dec 12, 2016.
- Invited participant, *Climate Impact on National Security*, Institute on Science for Global Policy (ISGP), U.S. Army War College, Carlisle PA, Nov 28-Dec 1, 2016.
- Book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", National Press Club annual book fair, Washington DC, Nov 19, 2016.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Fisher Colloquium, Georgetown University, Washington DC, Nov 15, 2016.
- Book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Berkshire International Film Festival special event, Great Barrington MA, Nov 6, 2016.
- Screening and Audience Q&A for "*Before The Flood*", Berkshire International Film Festival special event, Great Barrington MA, Nov 6, 2016.
- Screening and Panel Discussion for "*Before The Flood*", College of Earth and Mineral Sciences, Penn State University, University Park PA, Nov 2, 2016.
- Panel discussion and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Politics and Prose Bookstore, Washington DC, Oct 30, 2016.
- Presentation and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Climate Mobilization/350.org, Silver Spring MD, Oct 30, 2016.
- Presentation and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Center for Inquiry Annual CSICon conference, Las Vegas NV, Oct 28, 2016.
- Guest lecture, SC 200, *Science in Our World: Certainty and Controversy*, Instructor: Andrew Read, Penn State University, University Park PA, Oct 25, 2016.
- Book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Climate Strategies Forum, Association of Climate Change Officers, San Diego CA, Oct 20, 2016.
- Panel discussion on *The Politics of Climate Change*, Climate Strategies Forum, Association of Climate Change Officers, San Diego CA, Oct 20, 2016.
- Guest lecture, RL ST 197H *Ethics of Climate Change*, Instructor: Jonathan Brockopp, Penn State University, University Park PA, Oct 17, 2016.
- Town Hall event "Science-Citizen: Science Policy in the Age of Promise and Peril" with AAAS CEO Rush Holt, Michael E. Mann, and Peter Hudson, moderated by Associated Press science writer Seth Borenstein, Penn State Institutes of Energy and the Environment, Penn State Earth System Science Center and other institutes and centers, Pennsylvania State University, University Park PA, Oct 13, 2016.
- Panel discussion on science and policy with AAAS CEO Rush Holt, Science Policy Society, Pennsylvania State University, University Park PA, Oct 13, 2016.
- Webinar, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Citizens Climate Lobby-Wisconsin/University of Wisconsin-Stevens Point, Stevens Point WI, Oct 10, 2016.

- Panel discussion and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", University of Pennsylvania Bookstore, Philadelphia PA, Oct 5, 2016.
- Presentation and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Climate Science Legal Defense Fund Event, Columbia University Law School, New York NY, Sep 30, 2016.
- Panel discussion and book-signing for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", American Museum of Natural History, New York NY, Sep 29, 2016.
- Invited lecture and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Penn State Great Valley, Malvern PA, Sep 28, 2016.
- Guest lecture, EM SC 100S, Instructor: Greg Jenkins, Penn State University, University Park PA, Sep 27, 2016.
- Invited lecture and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Fossil Free MIT, Massachusetts Institute of Technology, Cambridge MA, Sep 26, 2016.
- Invited lecture and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Newton Community Education Speakers Series, Newton MA, Sep 26, 2016.
- Invited lecture and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", California University of Pennsylvania, California PA, Sep 23, 2016.
- Invited lecture and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", St. Mary College of Maryland, St. Mary's City MD, Sep 21, 2016.
- Webinar, "*Strategies for combating scientist harassment*", Union of Concerned Scientists, Sep 19, 2016.
- Book party for "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Hosted by Patrick Fitzgerald, Joe Romm, and Juleanna Glover, Washington DC, Sep 17, 2016.
- Invited presentation and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Sierra Club Virginia Chapter, Charlottesville VA, Sep 15, 2016.
- Reading and book-signing for "*The Madhouse Effect*", U.S. Climate Leadership Conference, EcoAmerica, Washington DC, Sep 14, 2016.
- Invited presentation, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", U.S. Climate Leadership Conference, EcoAmerica, Washington DC, Sep 14, 2016.
- Invited lecture and book-signing, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Debate 2016 Lecture Series, Hofstra University, Sep 12, 2016.
- Invited presentation, "*Dire Predictions: Understanding Global Warming*", Green Corps classroom training program, Boston, MA (via remote link), Aug 17, 2016.
- Panel discussion on *The Psychology of Climate Denial and Skepticism*, Climate Strategies Forum, Association of Climate Change Officers, Arlington, VA, Jul 19, 2016.

- Facebook Live Public Chat, Office of Strategic Communications, Penn State University, University Park, PA, July 15, 2016.
- Panel discussion following HBO premier of *How to Let Go of the World and Love All the Things Climate Can't Change*, HBO building, New York, NY, Jun 21, 2016.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Citizens Climate Lobby 2016 Conference, Washington, DC, Jun 20, 2016.
- Provided testimony, Democratic Party Platform Drafting Committee Hearing, Phoenix AZ, Jun 17, 2016.
- Introductory lecture, "*Dire Predictions: Understanding Climate Change*", Penn State Research Experience for Undergraduates (REU) on Climate Science, Penn State University, University Park, PA, Jun 7, 2016.
- Invited lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*": The Past, the Future. How Fast, How Far? University of Iceland, Reykjavik Iceland, May 27, 2016.
- Invited lecture, ""*The Hockey Stick and the Climate Wars: The Battle Continues*": The Past, the Future. How Fast, How Far? University of Iceland, Reykjavik Iceland, May 27, 2016.
- Invited lecture, "*Dire Predictions: Understanding Climate Change*": The Past, the Future. How Fast, How Far? University of Iceland, Reykjavik Iceland, May 27, 2016.
- Invited lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*": Projecting Climate Change: Workshop with Academics, Documentary Filmmakers and Writers, University of Iceland, Reykjavik Iceland, May 26, 2016.
- Invited lecture and book signing, "*Dire Predictions: Understanding Climate Change*", Rotary Club of State College, State College, PA, May 17, 2016.
- Invited lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Northeastern Conference on Science and Skepticism (NECSS), New York, NY, May 15, 2016.
- "Talk-back" discussion with Baba Brinkman, *Rap Guide to Climate Chaos*, Soho Playhouse, New York, NY, May 14, 2016;
- Moderated discussion (with Wayne Balta of IBM), *The Changing Climate of Business Scientific and Market-Based Perspectives on Climate Change*, Smeal College of Business, Penn State University, University Park, PA, Apr 27, 2016.
- Webinar, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Climate Matters Series, Climate Central, Apr 26, 2016.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Environments in Motion Lecture Series, Division of Arts & Humanities & Scripps Institution for Oceanography, University of California-San Diego, La Jolla, CA, Apr 22, 2016.
- Invited lecture and book signing, "*Dire Predictions: Understanding Climate Change*", Washington and Jefferson College, Washington, PA, Apr 20, 2016.
- Invited lecture, "*The Madhouse Effect: How Climate Change Denial is Threatening our Planet, Destroying our Politics, and Driving us Crazy*", Lehigh Valley Chapter Sigma Xi Annual Banquet, Lehigh University, Bethlehem, PA, Apr 14, 2016.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Levitt Center Speaker Series, Hamilton College, Clinton, NY, Apr 4, 2016.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Senior Seminar, Hamilton College, Clinton, NY, Apr 4, 2016.

- Public lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Penn State University Women's Club Book & Play Review Group, Schlow Library, State College, PA, Mar 28, 2016.
- Discussion session with undergraduate student group ("Engineers for a Sustainable World"), Penn State University, University Park, PA, Mar 23, 2016.
- Guest discussion, GLIS 102: *Global Pathways* Penn State University, University Park PA, Mar 22 2016.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Tony Haymet 60th Birthday Symposium, Scripps Institution of Oceanography, La Jolla, CA, Mar 13, 2016.
- Presentation, Mini-Symposium on Research on Africa, Penn State Engagement in Africa (AESEDA), University Park, PA, Feb 22, 2016.
- Invited lecture, "*The Physics of Climate Change*", Department of Physics, University of Virginia, Charlottesville, VA, Feb 5, 2016.
- Webinar, "*Communicating Science Through Social Media*", Center for Science Advocacy, Penn State University, Jan 15, 2016.
- Invited presentation, *AGU Fall meeting*: "*Communicating the Signal of Climate Change in The Presence of Non-Random Noise*", San Francisco, CA, Dec 16, 2015.
- Invited presentation (M. Mann and K. Peacock), *AGU Fall meeting*: "*Professional Ethics for Climate Scientists*", San Francisco, CA, Dec 14, 2015.
- Invited keynote lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Montana State University Extension Climate Science Conference, Bozeman, MT, Dec 10, 2015.
- Lunch lecture, "*Dire Predictions: Understanding Climate Change*", Montana State University Extension Climate Science Conference, Bozeman, MT, Dec 10, 2015.
- Guest lecture, ENT 202, Instructor; David Hughes, Penn State University, University Park PA, Dec 3, 2015.
- Closing speech, Fossil Free Penn State Rally, Nov 19, 2015.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Stonecipher lecture, Tennessee Tech University, Cookeville, TN, Nov 16, 2015.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Sierra Club of Pennsylvania, Philadelphia, PA, Nov 9, 2015.
- Joint discussion session (with Naomi Oreskes) with students, Bucknell University, Lewisburg, PA, Nov 6, 2015.
- Panel discussion following screening of *Merchants of Doubt*, Bucknell University, Lewisburg, PA, Nov 5, 2015.
- Keynote lecture and book signing, "*Dire Predictions: Understanding Climate Change*", 2015 Rising Seas Summit, Association of Climate Change Officers, Boston, MA, Nov 4, 2015.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Le Moyne College, Syracuse, NY, Nov 2, 2015.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Woods Lecture Series, Butler University, Indianapolis, IN, Oct 27, 2015.
- Presentation and panel discussion, Penn State Symposium on the Arctic, Penn State Law School, University Park, PA, Oct 20, 2015.
- Invited lecture and book signing, "*Dire Predictions: Understanding Climate Change*", Chestnut Hill College, Philadelphia, PA, Oct 19, 2015.

- Guest lecture on "The Hockey Stick and the Climate Wars", First year seminar class, Dickinson College, Carlisle, PA, Oct 14, 2015.
- Presenter and participant, "Climate Change and Coastal Impacts: Workshop for Media Professionals", October 9-10, 2015, N.C. Center for the Advancement of Teaching, Ocracoke, NC, Oct 9-10, 2015.
- Round-table climate change discussion with honors students, Keystone College, La Plume, PA, Oct 2, 2015.
- Invited lecture, "*Dire Predictions: Understanding Climate Change*", Energy and the Environment Skype Lecture Series, Youngstown State University, Youngstown PA, Sep 30, 2015.
- Keynote Presentation on *Climate Change and the Earth System Science Center*, GEMS Earth and Environmental Systems Institute Showcase Event, Obelisk Weekend, College of Earth and Mineral Sciences, Penn State University, University Park PA, Sep 25, 2015.
- Invited lecture, "*Dire Predictions: Understanding Climate Change*", Nuclear Engineering Seminar Series, Penn State University, University Park, PA, Sep 24, 2015.
- Guest lecture, EMSC 100S, Instructor: Chris House, Penn State University, University Park PA, Sep 22, 2015.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Solutions and You lecture series, Simon Fraser University, Vancouver BC, Canada, Sep 17, 2015.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Atmospheric and Oceanic Sciences, Simon Fraser University, Burnaby BC, Canada, Sep 16, 2015.
- Panel discussion following screening of *Merchants of Doubt*, State Theatre, State College, PA, Sep 9, 2015.
- Invited participant, *Workshop on Frontiers in Decadal Climate Variability,* National Academy of Sciences, Woods Hole, MA, Sep 3-4, 2015
- Invited presentation, *Climate Downscaling 201* (with applications to Florida precipitation), USGS-FAU Precipitation Downscaling Technical Meeting, Florida Atlantic University-Davie, Davie, FL, Jun 22, 2015.
- Introductory lecture, "*Dire Predictions: Understanding Climate Change*", Penn State Research Experience for Undergraduates (REU) on Climate Science, Penn State University, University Park, PA, Jun 9, 2015.
- Invited lecture, "*Dire Predictions: Understanding Climate Change*", Junior Academy Program (Vienna region High Schools), Vienna, Austria, May 28, 2015.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Suess Lecture, Austrian Academy of Sciences, Vienna, Austria, May 27, 2015.
- Guest video lecture, Journalism and Society (instructor Seth Borenstein), NYU Journalism School Washington DC, May 13, 2015.
- Keynote lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", American Association of University Professors (AAUP) Centennial Celebration**,** Johns Hopkins University, Baltimore, MD, Apr 25, 2015.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Virginia Tech, Blacksburg, VA, Mar 20, 2015.
- Invited lecture and book signing, "*Understanding Global Warming and Envisioning Local Impacts*", Florida International University, Miami, FL, Mar 16, 2015.
- Panel discussion (w/ B. Inglis and K. Hayhoe) following premier of *Merchants of Doubt*, Landmark E Street Cinema, Washington DC, Mar 13, 2015.

- Invited lecture "*The Hockey Stick and the Climate Wars: The Battle Continues*", Bucknell University, Lewisburg, PA, Mar 4, 2015.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Florida Atlantic University, Boca Raton, FL, Feb 27, 2015.
- Invited lecture, "*Internal and Forced Low-Frequency Surface Temperature Variability at Global and Regional Scales*", Department of Geosciences, Florida Atlantic University, Boca Raton, FL, Feb 27, 2015.
- Invited presentation, *AAAS Annual meeting*: "*The Hockey Stick & the Climate Wars: The Battle Continues*", San Jose, CA, Feb 14, 2015.
- Panel discussion, "Severe Weather in a Changing Climate: Informing Risk", AAAS Annual Meeting, San Jose, CA, Feb 13, 2015.
- Invited presentation, *AAAS Annual meeting*: "*On the Front Lines in the Legal Battles Over Climate Change*", San Jose, CA, Feb 13, 2015.
- Guest lecture, SUST 200, Instructor: Susannah Barsom, Penn State University, University Park PA, Jan 27, 2015.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Trinity College, Dublin, Ireland, Jan 19, 2015.
- Invited participant, European Observatory of the New Human Condition Workshop, Trinity College, Dublin, Ireland, Jan 18-19, 2015.
- Keynote Speaker, Climate Science Legal Defense Fund (CSLDF) Benefit Dinner, San Francisco, CA, Dec 18, 2014.
- Invited presentation (co-authors B.A. Steinman, S.K. Miller), *AGU Fall meeting*: "*Internal and Forced Low-Frequency Surface Temperature Variability at Global and Regional Scales*", San Francisco, CA, Dec 17, 2014.
- Invited presentation, *AGU Fall meeting*: "*Fighting a Headwind: Communicating the Science of Climate Change in a Hostile Environment*", San Francisco, CA, Dec 16, 2014.
- Invited presentation (K. Peacock & M.E. Mann), *AGU Fall meeting*: "*Professional Ethics for Climate Scientists*", San Francisco, CA, Dec 15, 2014.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Pennsylvania Environmental Research Consortium (PERC) Annual Conference, Penn State University, University Park PA, Nov 12, 2014.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", Climate Change and the Archaeological Record: Implications for the 21st Century, Society for Pennsylvania Archaeology, State Museum of Pennsylvania, Harrisburg PA, Nov 8, 2014.
- Invited lecture, panel discussion and book signing, *Tackling Climate Change Nationally and Globally* (Hammer Forum), Hammer Museum, University of California-Los Angeles, Los Angeles CA, Oct 23, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", CAPR Brown Bag seminar, Department of Political Science, Penn State University, University Park PA, Oct 13, 2014.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Fifth Annual Robock Lecture, University of Minnesota, Duluth, MN, Oct 10, 2014.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Atmospheric and Oceanic Sciences, University of Minnesota, Duluth MN, Oct 10, 2014.
- Invited participant, Penn State PSIEE/EESI Workshop on Science Communication, Penn State University, Bald Eagle State Park, Howard, PA, Oct 3 2014.

- Invited lecture and panel discussion, *Climate Wars: Propaganda, Debate, and the Propaganda of Debate*, Queens Museum, Queens NY, Sep 27, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Cabot Institute Lecture/Bristol Festival of Ideas, University of Bristol, Bristol UK, Sep 23, 2014.
- Invited participant, Workshop on Responding and adapting to climate change, University of Bristol, Bristol, UK, Sep 22-23, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Cabot Institute Lecture/Bristol Festival of Ideas, University of Bristol, Bristol UK, Sep 23, 2014.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", Bryn Mawr College & Philadelphia Geological Society, Bryn Mawr PA, Sep 18, 2014.
- Invited presentation, "*Dire Predictions: Understanding Global Warming*", Green Corps classroom training program, Boston, MA (via remote link), Aug 7, 2014.
- Keynote lecture, "*The Battle to Communicate Climate Change*", Environment California Spring Event, Culver City CA, Jun 8, 2014.
- Introductory lecture, "*Dire Predictions: Understanding Global Warming*", Penn State Research Experience for Undergraduates (REU) on Climate Science, University Park, PA, Jun 5, 2014.
- Invited presentation, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Momentus Leadership Summit, Chicago Il, May 22, 2014.
- Keynote lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Healthy Environment Alliance of Utah 11th Annual Spring Breakfast, University of Utah, Salt Lake City, UT, May 14, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Polar Center Talks Series, Penn State University, University Park, PA, May 9, 2014.
- Keynote lecture, "*Dire Predictions: Understanding Global Warming*", Leadership Centre County Environment Day, State College, PA, May 7, 2014.
- Invited lecture, "*The Physics of Climate Change*", Department of Physics, Fordham University, New York, NY, Apr 30, 2014.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Atmospheric and Oceanic Sciences, University of Wisconsin, Madison, WI, Apr 18, 2014.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Fifth Annual Robock Lecture, University of Wisconsin, Madison, WI, Apr 17, 2014.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Earthweb Foundation Annual Symposium, Rollins College, Winter Park, FL, Apr 12, 2014.
- Keynote Plenary lecture, "*Dire Predictions: Understanding Global Warming*", Association of American Geographers, Tampa, FL, Apr 10, 2014.
- Featured banquet lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", American Meteorological Society West Central Florida Chapter annual meeting, Tampa, FL, Apr 7, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Annual Kirkland/Spizuoco Memorial Science Lectureship, Shippensburg University, Shippensburg, PA, Apr 2, 2014.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: The Battle Continues*", Sustainability Summit and Exposition, Milwaukee, WI, Mar 26, 2014.
- Invited lecture and panel discussion, *Climate Wars: Global Warming and the Attack on Science*, University of Pennsylvania, Mar 19, 2014.

- Keynote lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", *Climate Science and Policy through the Looking Glass*, UC Santa Cruz, Mar 1, 2014.
- James H. Lemon Lecture, Distinguished Lecture Series, Northwest Missouri State University, Maryville, MO, Feb 19, 2014.
- Panel discussion, "A Conversation on the Latest Climate Science Projections and Implications", Climate Leadership Conference, San Diego, CA, Feb 26, 2014.
- Online Q&A, Reddit Science "Ask Me Anything" (AMA) Series, Feb 21, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*, James H. Lemon Lecture, Distinguished Lecture Series, Northwest Missouri State University, Maryville, MO, Feb 19, 2014.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Scholarship and Research Ethics talk series, Office for Research Protection, Penn State University, Feb 10, 2014.
- Panel Discussion, "Right Now!" fundraiser event, presented by *We Are Music*, Somerville MA, Feb 1, 2014.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Astronomy and Astrophysics, Penn State University, University Park, PA, Jan 29, 2014.
- Invited presentation "*IPCC AR5 Science Update*", South Florida Water Sustainability and Climate Project 2014 Annual Meeting, Haines City, FL, Jan 19, 2014.
- Invited lecture, "*The Physics of Climate Change*", Department of Physics, Case Western Reserve University, Cleveland, OH, Jan 16, 2014.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Cleveland Natural History Museum, Cleveland, OH, Jan 15, 2014.
- Panel discussion, "Facing legal attack, scientists tell their story", *AGU Fall Meeting* Dec 12, 2013.
- Invited presentation (co-authors M.E. Kozar, K. Emanuel), *AGU Fall meeting*: "Relationships Between Basin-Wide and Landfalling Atlantic Tropical Cyclones: Comparing Long-term Simulations with Paleoevidence", San Francisco, CA, Dec 11, 2013.
- Presentation "Challenges of effectively communicating climate change science to lay audiences", Physical Geography Focus Group, Oxford University Press, *AGU Fall Meeting*, Dec 11, 2012.
- Book signings, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", *AGU Fall Meeting*, San Francisco, CA, Dec 10 & Dec 12, 2013.
- Invited speaker, "*The Imperative for Taking Action on Climate Change*", Virginia Interfaith Center for Public Policy" (webinar), Nov 25, 2013.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Annual E.T. York Distinguished Guest Lecture, University of Florida, Gainesville, FL, Nov 19, 2013.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", 29th Annual Brossman Foundation and Ronald E. Frisbie Science Lectureship, Millersville University, Millersville, PA, Nov 7, 2013.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", 29th Annual Brossman Foundation and Ronald E. Frisbie Science Lectureship, Millersville University, Millersville, PA, Nov 7, 2013.
- Introduced President William J. Clinton and Virginia Gubernatorial Candidate Terry McAuliffe at McAuliffe Campaign Event, Paramount Theater, Charlottesville, VA, Oct 30, 2013.

- Moderated public question-and-answer session, "Climate Change and American Values", 2013 E. James Holland University Symposium on American Values, Angelo State University, San Angelo, TX, Oct 28, 2013.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", 2013 E. James Holland University Symposium on American Values, Angelo State University, San Angelo, TX, Oct 28, 2013.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Sagan National Colloquium, Ohio Wesleyan University, Delaware, Ohio, Oct 22, 2013.
- Invited lecture and book signing, "*The Battle to Communicate Climate Change*", A Conversation About Climate with Senator Angus King, The Natural Resources Defense Council of Maine, Portland, ME, Oct 16, 2013.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Bowdoin College, Brunswick, ME, Oct 16, 2013.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Symposium on Climate Science and Climate Communication, University of Iceland, Reykjavik, Iceland, Oct 5, 2013.
- Invited lecture "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Conference on Cinema and Climate Change, Reykjavik, Iceland, Oct 3, 2013.
- Award Ceremony followed by Lecture and book signing for "*The Hockey Stick and the Climate Wars*", PennFuture 15th Anniversary Event: The Science and Psychology of Climate Change, Harrisburg, PA, Sep 25, 2013.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Atmospheric & Oceanic Science, University of Maryland, College Park, MD, Sep 19, 2013.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", West Virginia University, Morgantown, WV, Sep 17, 2013.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Division of Forestry and Natural Resources, West Virginia University, Morgantown, WV, Sep 17, 2013.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", School of Forestry and Environmental Studies, Yale University, New Haven, CT, Sep 4, 2013.
- Co-Convener, Penn State PSIEE/EESI/EMS Workshop "Climate Change and Impacts Downscaling", Bald Eagle State Park, Howard, PA, Aug 27-29, 2013.
- Invited Panel discussion, "Credibility, Trust, Goodwill & Persuasion"", Science Online Climate, Washington, DC, Aug 16, 2013.
- Invited presentation, "*The Battle to Communicate Climate Change: Lessons from The Front Lines*", Science Online Climate, Washington, DC, Aug 16, 2013.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", The Amazing Meeting (James Randi Foundation), Las Vegas, NV, Jul 13, 2013.
- Book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", NetRoots Nation, San Jose, CA, Jun 21, 2013.
- Invited Panel discussion, "Science Under the Rug: How Government and Industry Hide Research and How to Fight Back", NetRoots Nation, San Jose, CA, Jun 21, 2013.
- Invited presentation, "*The Battle to Communicate Climate Change: Lessons from The Front Lines*", AGU Chapman Conference on Communicating Climate Science, Granby, Colorado, Jun 9, 2013.

- Invited presentation, "*Dire Predictions: Understanding Global Warming*", The Truth, The Whole Truth, And Nothing But The Truth: Our Global Climate And The Insurance Industry's Response.", Loss Executives Association annual meeting, Philadelphia, PA, Jun 6, 2013.
- Invited keynote lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", "Scientifically Speaking" Gala Fundraiser Event & Auction, The Science Factory, Eugene, OR, May 30, 2013.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", Edison International Elementary School, Eugene, OR, May 30, 2013.
- Invited lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", The Cosmos Club, Washington, DC, May 16, 2013.
- Discussion and book signing, "*A Conversation with Climate Scientist Michael Mann*", Climate Desk Live, Washington, DC, May 15, 2013.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", City University of New York Graduate Center, New York, NY, May 9, 2013.
- Invited public lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Sigma Public Lecture series, NASA Langley Research Center, Hampton, VA, May 7, 2013.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", NASA Langley Research Center, Hampton, VA, May 7, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Mid-Atlantic Renewable Energy Association (MAREA), Breinigsville, PA, Apr 30, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Dickinson College, Carlisle, PA, Apr 22, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Lynchburg College, Lynchburg, VA, Apr 8, 2013.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", Senior Symposium, Lynchburg College, Lynchburg, VA, Apr 8, 2013.
- Invited presentation, *ORI at 20: Reassessing Research Integrity*: "The Hockey Stick and the Climate Wars", Baltimore, MD, Apr 3, 2013.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", Kiski School, Saltsburg, PA, Apr 1, 2013.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", ", College of Wooster, Wooster, OH, Mar 28, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", College of Wooster, Wooster, OH, Mar 27, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Appalachian State University, Boone, NC, Mar 21, 2013.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", Appalachian State University, Boone, NC, Mar 21, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Iowa State University, Ames, IA, Mar 7, 2013.
- Keynote lecture, "*Dire Predictions: Understanding Global Warming*", Sustainability Summit and Exposition, Milwaukee, WI, Mar 6, 2013.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", School of Earth and Ocean Sciences, University of Victoria, Victoria, BC, Mar 5, 2013.

- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", University of Victoria, Victoria, BC, Mar 4, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Oklahoma State University, Stillwater, OK, Feb 22, 2013.
- Keynote Panel discussion, "Conducting Research on Politically Sensitive Issues: Climate Change and Climate Change Denial", 2013 Annual Sociology Symposium, Oklahoma State University, Stillwater, OK, Feb 21, 2013.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Physics Department, Penn State University, University Park, PA, Jan 31, 2013.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Sports Turf Managers Association Annual Meeting, Daytona Beach, FL, Jan 18, 2013.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Valencia College, Orlando, FL, Jan 17, 2013.
- Invited presentation (co-authors A. Schurer, G. Hegerl, S. Tett, S. Phipps), *AGU Fall meeting*: "Separating forced from chaotic climate variability over the last millennium", San Francisco, CA, Dec 5, 2012.
- Invited presentation, *AGU Fall meeting*: "The Past as Prologue: Learning from the Climate Changes in Past Centuries", San Francisco, CA, Dec 5, 2012.
- Invited presentation, *AGU Fall meeting*: "Using Blogs and Social Media in the Battle to Communicate Climate Change: Lessons from The Front Lines", San Francisco, CA, Dec 4, 2012.
- Invited presentation, *AGU Fall meeting*: "The Battle to Communicate Climate Change: Lessons from The Front Lines", San Francisco, CA, Dec 4, 2012.
- Panel discussion, "Political Science" at *ClimateOne Stephen Schneider Climate Science Communication Award* event, Commonwealth Club, San Francisco, CA, Dec 4, 2012.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Earth and Ocean Sciences seminar series, Duke University, Durham, NC, Nov 9, 2012.
- Invited presentation (co-authors M.E. Kozar, K. Emanuel), *GSA Annual meeting*: "Relationships Between Basin-Wide and Landfalling Atlantic Tropical Cyclones: Comparing Long-term Simulations with Paleoevidence", Charlotte, NC, Nov 7, 2012.
- Invited presentation, *GSA Annual meeting*: "The Battle to Communicate Climate Change: Lessons From the Front Lines", Charlotte, NC, Nov 6, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars*", Fairchild Lecture, Meliora Weekend, University of Rochester, Rochester, NY, Oct 12, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Union College, Schenectady, NY, Oct 10, 2012.
- Lecture and panel discussion, "*Leaving Your Comfort Zone: a Scientist and a Journalist Take Risks to Address Climate Change*", Fourth Annual Climate Change Teach-In, University of Massachusetts-Lowell, Lowell, MA, Oct 9, 2012.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Geography, Texas A&M University, College Station, TX, Oct 5, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Texas A&M University, College Station, TX, Oct 4, 2012.
- Book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", SXSW-Eco Conference, Austin, TX, Oct 3, 2012.
- Panel discussion, "The Science Communicators", SXSW-Eco Conference, Austin, TX, Oct 3, 2012.

- Panel discussion, "A Conversation with Mike Mann: Dispatches from the Front Line", SXSW-Eco Conference, Austin, TX, Oct 3, 2012.
- Invited public lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", University of Texas-Austin, Austin, TX, Oct 1, 2012.
- Guest lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Geological Sciences, University of Texas-Austin, Austin, TX, Oct 1, 2012.
- Guest Lecture, Meteo 591 *Development and Ethics in the Atmospheric Sciences*, Instructor: Hans Verlinde, Penn State University, University Park PA, Sep 28 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", St. Lawrence University, Canton, NY, Sep 25, 2012.
- Round-table climate change discussion with honors students, Keystone College, La Plume, PA, Sep 20, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", King's College, Wilkes Barre, PA, Sep 19, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Rutgers University, New Brunswick, NJ, Sep 6, 2012.
- Invited lecture, "*The Past as Prologue: Learning from the Climate Changes in Past Centuries*", Department of Earth and Planetary Sciences, Rutgers University, New Brunswick, NJ, Sep 6, 2012.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Communicating controversial science: A symposium honoring Rudy M. Baum, American Chemical Society Annual Meeting, Philadelphia, PA, Aug 21, 2012.
- Plenary lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Astronomical Society of the Pacific Annual Meeting, Tucson, AZ, Aug 9, 2012.
- Book presentation and signing for "*The Hockey Stick and the Climate Wars*", Harvard COOP, Cambridge, MA, Jun 28, 2012.
- Invited presentation, *Workshop on Coastal Inundation Science and Planning Needs in the Northeast US,* "Dire Predictions: Understanding Global Warming", Woods Hole Oceanographic Institution, Woods Hole, MA, Jun 27, 2012.
- Coastal Inundation Science and Planning Needs in the Northeast US
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Florida Atlantic University, Boca Raton, FL, Jun 22, 2012.
- Summary keynote presentation, Risk and Response: 2012 Sea Level Rise Summit, Florida Center for Environmental Studies at Florida Atlantic University, Boca Raton, FL, Jun 22, 2012.
- Invited presentation, *AGU Chapman Conference on Volcanism and the Atmosphere,* "Underestimation of Volcanic Cooling in Tree-Ring Based Reconstructions of Hemispheric Temperature", Selfoss, Iceland, Jun 14, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", University of Iceland, Reykjavik, Iceland, Jun 13, 2012.
- Book signing for "*The Hockey Stick and the Climate Wars*", Book Expo America, New York, NY, Jun 5, 2012.
- Invited key note lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Annual meeting of the American Association of University Professors (AAUP; Michigan Chapter), University of Michigan, Ann Arbor, MI, May 25, 2012.
- Book presentation and signing for "*The Hockey Stick and the Climate Wars*", Nicola's Books, Ann Arbor, MI, May 24, 2012.

- Invited public lecture and book signing, "*The Dangers of Climate Change Denial*", Tom Ridge Environmental Center, Presque Isle, PA, May 21, 2012.
- Invited lecture, "*Dire Predictions: Understanding Global Warming*", The 5th Annual Orange County Water Summit, Anaheim, CA, May 18, 2012.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", The Science, Politics, and Ethics of Climate Change, FEMMSS4, Penn State University, University Park, PA, May 12, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Suffolk County Community College, Selden, NY, May 8, 2012.
- Invited speaker and panel participant, "*Changing the Moral Climate on Climate Change*", Penn State University, University Park, PA, Apr 30, 2012.
- Invited lecture, "The Past as Prologue: Learning from the Climate Changes in Past Centuries", Oeschger Medal Lecture, EGU General Assembly, Vienna, Austria, April 24, 2012.
- Invited lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", 2012 Sustainable Operations Summit, New York, NY, Apr 19, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", School of Public and Environmental Affairs, Indiana University, Bloomington, IN, Apr 17, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Department of Geology and Planetary Science, University of Pittsburgh, Pittsburgh, PA, Apr 13, 2012.
- Invited lecture, "*Past as Prologue: What we can Learn About our Future from Studying the Climate Changes of Past Centuries*", Department of Environmental Sciences, University of Virginia, Charlottesville, VA, April 6, 2012.
- Invited lecture, "*The Climate Wars*", Cooperative Institute for Climate and Satellites, NOAA National Climate Data Center, Asheville, NC, April 4, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Warren Wilson College, Asheville, NC, Apr 3, 2012.
- Invited public lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", University of North Carolina-Asheville, Asheville, NC, Apr 3, 2012
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Edwin Way Teale Lecture Series, University of Connecticut, Storrs, CT, Mar 29, 2012.
- Book presentation and signing for "*The Hockey Stick and the Climate Wars*", Virginia Festival of the Book, Charlottesville, VA, Mar 24, 2012.
- Invited presentation, "*Dire Predictions: Understanding Global Warming*", Bishop O'Connell High School, Arlington, VA, Mar 16, 2012.
- Book presentation and signing for "*The Hockey Stick and the Climate Wars*", Politics & Prose bookstore, Washington, DC, Mar 15, 2012.
- Book signing for "*The Hockey Stick and the Climate Wars*", Ben McNally's books, Toronto, CA, Mar 12, 2012.
- Invited panel participant, "*Climate Change, Wise Energy, and Regular Folks*", Fourth Street Forum event, Milwaukee Public Television, Frontier Airlines Center, Milwaukee, WI, Mar 8, 2012.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", 2012 Green Energy Summit and Exposition, Frontier Airlines Center, Milwaukee, WI, Mar 8, 2012.

- Invited poster, "*Using paleo-climate model/data comparisons to constrain future projections: Workshop summary*", Gavin A. Schmidt, Valérie Masson-Delmotte, Michael Mann, Masa Kageyama, Eric Guilyardi, Axel Timmermann, WCRP Workshop on Coupled Model Intercomparison Project Phase 5 (CMIP5) Model Analysis, Honolulu, Hawaii, Mar 5, 2012.
- Invited participant, Workshop on using paleo-climate model/data comparisons to constrain future projections, The Bishop Museum, PAGES/CLIVAR, Honolulu, Hawaii, Mar 1-3, 2012.
- Invited presentation, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Suzuki Foundation, Vancouver, BC, Feb 20, 2012.
- Invited public lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Pacific Institute for Climate Solutions, Vancouver, BC, Feb 19, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Aquarium of the Pacific, Long Beach, CA, Feb 15, 2012.
- Invited presentation and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Climate Resolve LA, Los Angeles, CA, Feb 14, 2012.
- Invited public lecture and book signing, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Emmett Center on Climate Change and the Environment, School of Law, University of California Los Angeles, Los Angeles , CA, Feb 13, 2012.
- Invited public lecture and book signing, "*Confronting the Climate Change Challenge*", 'Penn State Forum Speaker Series, Penn State University, University Park, PA, Feb 9, 2012.
- Invited public lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", 'EarthTalks' Seminar Series, Earth and Environmental Systems Institute, Penn State University, University Park, PA, Jan 23, 2012.
- Invited public lecture, "*Dire Predictions: Understanding Global Warming*", Rector's Forum, St. Marks Church, Amherst, VA, Jan 18, 2012.
- Book presentation and signing for "*Dire Predictions: Understanding Global Warming*", University of Virginia, Charlottesville, VA, Jan 17, 2012.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Enviroday Research Symposium, University of Virginia, Charlottesville, VA, Jan 17, 2012.
- Invited presentation, *AGU Fall meeting*: "The Hockey Stick and the Climate Wars: Dispatches From The Front Lines", San Francisco, CA, Dec 6, 2011.
- "Town Hall" participant, *AGU Fall meeting*: "Directions in Climate Change Education and Communication", San Francisco, CA, Dec 5, 2011.
- Invited presentation, *AGU Fall meeting*: "Communicating Climate Change to the Public: The Challenges and Potential Pitfalls", San Francisco, CA, Dec 5, 2011.
- Speaker at *TEDxPSU*: "The Hockey Stick and the Climate Wars", Penn State University, University Park PA, Nov 13, 2011.
- Guest Lecture, Graduate seminar, Instructor: Sara Cobb, School of Conflict Analysis and Resolution, George Mason University, Nov 11, 2011.
- Keynote lecture, "*The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*", Transatlantic Policy Consortium, George Mason University, Arlington, VA, Oct 31, 2011.
- Invited public lecture, "*The Hockey Stick: On the Front Line in the Climate Wars*", St. Mary's College, St. Marys City, MD, Oct 26, 2011.
- Invited panel participant, "*Catastrophe and the Development of Environmental Law*", State Bar of California Environmental Law Conference, Yosemite, CA, Oct 22, 2011
- Invited presentation, *GSA Annual meeting*: "Climate Scientists In The Public Arena: Who's Got Our Backs?", Minneapolis, MN, Oct 12, 2011.

- Invited lecture, "*Climate Change: What We Can Learn from The Climate Changes of Past Centuries*", Program in Atmospheres, Oceans, and Climate, Massachusetts Institute of Technology, Cambridge, MA, Oct 3, 2011.
- Invited public lecture and book signing, "*Dire Predictions: Understanding Global Warming*", University of Dayton, Dayton, OH, Sep 22, 2011.
- Invited Speaker, *Summer Institute on Sustainability and Energy (SISE)*, University of Illinois at Chicago, Chicago, IL, Aug 8, 2011.
- Invited presentation, *7th International Congress on Industrial and Applied Mathematics (ICIAM),* "Climate Global Signatures of the "Little Ice Age" and "Medieval Anomaly"", Vancouver, BC, Canada, July 20, 2011.
- Invited public lecture and book signing, "*Dire Predictions: Understanding Global Warming*", Cary Institute of Ecosystem Studies, Milbrook, NY, July 15, 2011.
- Featured event speaker, "*Climate Change: Learning From Centuries Past*", Earth Science Teacher Workshop on Ancient Climate Change, State College, PA, June 16, 2011.
- Invited plenary luncheon lecture, "*On the Front Lines in the Climate Wars*", Annual meeting of the American Association of University Professors (AAUP), Washington, DC, June 10, 2011.
- Invited lecture, "*Climate Change: What We Can Learn from Past Centuries*", NOAA Geophysical Fluid Dynamics Laboratory, Princeton, NJ, May 19, 2011.
- Featured event speaker, "*The Role of Meteorology in Climate Change*", Chi Epsilon Pi, Penn State University Chapter, Forty-second Annual Spring Banquet, Penn State University, State College, PA, April 26, 2011.
- Invited public lecture, "*The Hockey Stick: On the Front Lines in the Climate Wars*", Five Colleges Geology Lecture Series, Mt. Holyoke College, South Hadley, MA, April 21, 2011.
- Guest Lecture, ENVS 398B: Special Topic Climatology (Instructor: Sean Sublette), Lynchburg College, Lynchburg VA, Apr 13, 2011.
- Invited lecture, "*Climate Change: What We Can Learn from Past Centuries*", Stout Lecture Series, Department of Earth and Atmospheric Sciences, University of Nebraska, Lincoln, NE, April 8, 2011.
- Invited public lecture and book signing, "*Dire Predictions: Understanding Global Warming*", School of Natural Resources Public Lecture Series, University of Nebraska, Lincoln, NE, April 7, 2011.
- Keynote lecture, "*Dire Predictions: Understanding Global Warming*", Joint Annual Meeting of the Pennsylvania Academy of Science and Pennsylvania Wildlife Society, Penn State-Altoona, Altoona, PA, April 2, 2011.
- Guest lecture, CAUSE seminar on Global Environmental Change and Small Island Nations, Dept. of Geosciences, Instructors: Tim White/Rob Crane, Penn State University, University Park PA, Mar 21, 2011.
- Invited participant, NASA-NOAA-NSF Climate Change Education Principal Investigators Meeting, George Mason University, Fairfax, VA, Feb 28-Mar 2, 2011.
- Invited presentation, *AGU Fall meeting*: "Climate Scientists In The Public Arena: Who's Got Our Backs?", San Francisco, CA, Dec 16, 2010.
- Invited presentation, *AGU Fall meeting*: "Weathering the Climate Change Communication Storm", San Francisco, CA, Dec 16, 2010.
- Panel discussion on climate change and polar bears (webcast) sponsored by Polar Bears International (for Pittsburgh Zoo), Churchill, MB, Canada, Nov 13, 2010.
- Invited presentation, *"Climate Research, Politics, and Communicating Science*", New Horizons in Science, Council For the Advancement of Science Writing, New Haven, CT, Nov 7, 2010
- Invited presentation, "*Beyond the Hockey Stick*", National Climate Seminar, Bard

- Center for Environmental Policy, (teleconference) Bard College, Nov 3, 2010
- Invited presentation, *GSA Annual meeting*: "Fighting A Strong Headwind: Challenges in Communicating the Science of Climate Change", Denver, CO, Nov 2, 2010.
- Invited public lecture and book signing, "*Dire Predictions: An Evening with Michael Mann*", Briar Bush Nature Center, Abington, PA, Oct 14, 2010
- Invited public lecture, "*Dire Predictions: Understanding Global Warming*", Libraries Fall Public Program, Temple University, Philadelphia, PA, Oct 13, 2010.
- Invited presentation, *Symposium: The Medieval Warm Period Redux - Where and when was it warm?*, Lisbon Portugal, Sep 22-24, 2010.
- Invited presenter, Polar Bears International Panel Discussion, Annual Meeting of the Association of Zoos and Aquariums (AZA), Houston, TX, Sep 13, 2010.
- Invited plenary presentation, *11th International Meeting on Statistical Climatology*, "Global Signatures of the 'Little Ice Age' and 'Medieval Climate Anomaly' and Plausible Dynamical Origins", University of Edinburgh, Edinburgh, Scotland, July 13, 2010.
- Invited Panel Member, "Climate Science in an Impolitic World", *Climate & Sustainability: Moving by Degrees*, Marketplace from American Public Radio, Pasadena, CA, Jun 9, 2010.
- Invited public lecture, "*Dire Predictions: Understanding Global Warming*", Jane Claire Dirks-Edmunds lecture in ecology, Department of Biology, Linfield College, McMinnville, OR, May 11, 2010.
- Invited public lecture and book signing, "*The Facts Behind Global Warming*", PennFuture's Global Warming Conference: "Creating a Climate for Justice", Pittsburgh, PA, May 2, 2010.
- Invited public lecture, "*Dire Predictions: Understanding Global Warming*", *"Current Issues"* series, Foulkeways, Gwynedd, PA, Apr 23, 2010.
- Invited lecture, *Learning About Climate Dynamics Using Paleoclimate Information From Past Centuries*, Eighth Atmospheric Science Symposium, UC Berkeley Atmospheric Sciences Center (BASC), UC Berkeley, Berkeley, CA, Feb 26, 2010.
- Invited lecture, "*Climate Change: What Can We Learn From Past Centuries?"* Dept. of Geography, Penn State University, University Park, PA, Feb 12, 2010.
- Invited presentation, *American Meteorological Society 22nd Conference on Climate Variability and Change*, "Global Signatures of the 'Little Ice Age' and 'Medieval Climate Anomaly' and Plausible Dynamical Origins", Atlanta, GA, Jan 19, 2010.
- Invited presentation, *AGU Fall meeting*: "Global Signatures of the "Little Ice Age" and "Medieval Climate Anomaly" and Plausible Dynamical Origins", San Francisco, CA, Dec 18, 2009.
- Invited presentation, *AGU Fall meeting*: "Communicating Climate Change", San Francisco, CA, Dec 17, 2009.
- Invited presentation, *Conference on Climates and Humans*: "Climate of the past millennium", Cité des Science, Paris, France Nov 21 2009
- Invited presentation, *Geology & Geophysics Alumni Conference:* "Climate Change Insights from the Paleoclimate Record of Past Centuries", Yale University, New Haven, CT, Nov 7, 2009.
- Session introduction, Pardee Keynote Symposium: "Crisis in the Cryosphere", *Geological Society of America (GSA) Joint Annual meeting,* Portland, Oregon, Oct 21, 2009.
- Keynote lecture and book signing, "Dire Predictions: Understanding Global Warming", *Stewardship or Sacrifice? Religion & the Ethics of Climate Change*, Penn State University, University Park, PA, Oct 7, 2009.
- Guest lecture, Meteo 597B *Development and Ethics as a Researcher in the Atmospheric Sciences*, Instructor: Eugene Clothiaux, Penn State University, University Park PA, Sep 22, 2009.

- Guest lecture, Geosci 500 *Issues in Geosciences*, Instructors: Kate Freeman and James Kasting, Penn State University, University Park PA, Sep 9, 2009.
- Invited presentation, *Plant-Soil Interactions in Future Climates* (17th Penn State Plant Biology Symposium): "Climate Change: The science, projected impacts, and possible solutions", University Park, PA, May 19, 2009.
- Invited participant, "*Ocean on The Edge: Top Ocean Issues*", Aquarium of the Pacific, May 12-14 2009.
- Invited public lecture and book signing, "Dire Predictions: Understanding Global Warming", *Virginia Festival of the Book*, Charlottesville, VA, Mar 20, 2009.
- Invited presentation (co-authors R. Bradley, E. Crespin, H. Goosse, M.K. Hugues, S. Rutherford, D. Shindell, Z. Zhang) "Towards Understanding Patterns of Climate Change in Past Centuries", *Joint IPCC-WCRP-IGBP Workshop: New Science Directions and Activities Relevant to the IPCC AR5*, Honolulu, HI, Mar 3, 2009.
- Invited public lecture, "*Dire Predictions: Understanding Global Warming",* ISET NOAA Cooperative Institute, North Carolina A&T university, Greensboro, NC, Feb 24, 2009.
- Panel Discussion, *Communicating Climate Change*, National Science Foundation, Arlington VA, Jan 8, 2009.
- Invited presentation, *AGU Fall meeting*: "Fighting A Strong Headwind: Challenges in Communicating the Science of Climate Change", San Francisco, CA, Dec 17, 2008.
- Invited presentation (co-authors R. Bradley, E. Crespin, H. Goosse, M.K. Hugues, S. Rutherford, D. Shindell, Z. Zhang), *AGU Fall meeting*: "Towards Understanding Patterns of Climate Change in Past Centuries", San Francisco, CA, Dec 16, 2008.
- Invited presentation, *Conference on New Methodologies and Interdisciplinary Approaches in Global Change Research* (European Science Foundation): "Climate Change: Past and Future", Porquerolles, France, Nov 7, 2008.
- Invited presentation, *Geological Society of America (GSA) Joint Annual meeting*: "Global Climate Change: The Science, Likely Impacts, and Possible Solutions", Houston, TX, Oct 7, 2008.
- Invited lecture, "*Projections of Future Climate Change",* CIDD Seminar Series, Huck Institutes of the Life Sciences, Penn State University, PA, Sep 26, 2008.
- Invited public lecture, "*Dire Predictions: Understanding Global Warming",* 2008 Honors Colloquium, University of Rhode Island, RI, Sep 23, 2008.
- Invited public lecture, "*The Science of Climate Change",* Bruce Museum, Greenwich, CT, Sep 21, 2008.
- Invited participant, *Workshop* on *Tree Rings and Modeling of Asian Monsoon Climate Dynamics, Lamont Doherty Earth Observatory/Columbia University,* Palisades, NY, Sep 10-11, 2008.
- Invited guest lecture, *Summer Institute on Hydrological Change During the Colonial Era, Massachusetts Institute of Technology*, Jul 3, 2008.
- Invited guest lecture, Elderhostel course on *Future of Technology*, Penn State University, State College, PA, Jun 26 2008.
- Invited panelist, *Liberty and Environmentalism*, Orlando FL, The Liberty Fund, Jun 19-21, 2008.
- Invited lecture, "*Climate Change: The Science, The Likely Impacts, and Possible Solutions*", Winton Lecture Series, Winton Group, Oxford, UK, Jun 13 2008.
- Invited presentation, *Workshop on Reducing and Representing Uncertainties in High-Resolution Proxy Data*: "Impacts of Proxy Uncertainties on Multiproxy Reconstructions", International Center for Theoretical Physics (ITCP), Trieste, Italy, Jun 9, 2008.

- Invited lecture, "*The Past and Future of Global Warming",* Penn State University, Brandywine Campus, Media, PA, Apr 25, 2008.
- Invited presentation, *Workshop on Reconciling ENSO Chronologies for the Past 500 Years*: "The Importance of Dynamical Responses to Forcing in Understanding Climate Changes Over the Past Millennium", Moorea, French Polynesia, Apr 3, 2008.
- Invited lecture, "*Paleoclimate reconstructions over the past millennium and how can they inform our understanding of climate dynamics"*, Institut d'Astronomie et de Géophysique, Université Catholique de Louvain, Louvain la Neuve, Belgium, Mar 12, 2008.
- Invited lecture, "*The Importance of Dynamical Responses to Forcing in Understanding Climate Changes Over the Past Millennium"*, Centre for Global Change Science Seminar Series, University of Toronto, Toronto, Canada, Feb 26, 2008.
- Invited public lecture, "*Global Climate Change: The Predictions, The Likely Impacts, and Possible Solutions",* Le Moyne College, NY, Jan 31, 2008.
- Guest lecture, ENT597B *Biodiversity and Global Warming*, Instructor: KC Kim, Penn State University, University Park PA, Jan 24 2008.
- Invited lecture, "*The Physics of Climate Change",* Department of Physics, Penn State University, PA, Jan 17, 2008.
- Invited exhibition, "*Climate change adaptation in Africa*", 3th Conference of the Parties to the UN Framework Convention on Climate Change, Bali, CCLONG project members (M. Mann one of project members), Bali, Indonesia, Dec 3, 2007.
- Invited public lecture, "*Climate Change: Is it for Real and What Does it Mean for You"*, Penns Valley Conservation Association, Spring Mills, PA, Nov 14, 2007.
- Invited lecture, "*Climate Change What can the Past tell us about the Future?",* Department of Geological Sciences, University of North Carolina, Chapel Hill, NC, Nov 9, 2007.
- Invited public lecture, "*Global Climate Change: The impacts, the urgency, and likely consequences to humanity"*, Annual Carolina Climate Change Seminar Series, Institute for the Environment, University of North Carolina, Chapel Hill, NC, Nov 8, 2007.
- Invited lecture, "*Paleoclimate reconstructions over the past millennium and how they can inform our understanding of climate dynamics"*, Ocean and Climate Physics Seminar Series, Lamont Doherty Earth Observatory/Columbia Univ., Palisades, NY, Nov 2, 2007.
- Invited public lecture, *Global Warming and its likely societal impacts*, Environmental Studies Speaker Series, Alfred University, Alfred, NY, Oct 26, 2007.
- Invited lecture, "*The Importance of Dynamical Responses to Forcing in Understanding Climate Changes in Past Centuries"*, NOAA/NCEP/NWS/CPC, Camp Springs, MD, Oct 12 2007.
- Invited public lecture, *"Global Climate Change: Past and Future"*, Cornell University, Ithaca, NY, Sep 28, 2007.
- Invited public lecture, "*The Science of Climate Change*", 'EarthTalks' Seminar Series, Earth and Environmental Systems Institute, Penn State University, University Park, PA, Sep 17, 2007.
- Invited public lecture, *"Global Climate Change: Past and Future"*, Straub Environmental Lecture Series, Salem, OR, May 31, 2007.
- Invited lecture, *"The Scientific Cause for Climate Change and its Causation"*, Foster Hewitt lecture, Lehigh University, Lehigh, PA, Apr 6, 2007.
- Invited lecture, *"Modern Climate Trends in the Context of the Late Holocene"*, University of Southern California, Los Angeles, CA, Mar 26, 2007.
- Invited public lecture, "*The Past and Future of Global Warming*", Sierra Club Moshannon Group, State College, PA, Mar 6, 2007.

- Invited lecture, *"Global Climate Change: Past and Future"*, Environmental Protection Agency (Region III Office), Philadelphia, PA, Feb 23, 2007.
- Invited public lecture (w/ D. Easterling, L. Thompson, B. Santer), "*Multiple Lines of Evidence: The Scientific Case for Global Warming and its Causation*", American Meteorological Society's Environmental Science Seminar Series, Washington, DC, Jan 31, 2007.
- Invited presentation, *CLIVAR Meeting on Multidecadal to Centennial Global Climate Variability*: "The AMO Signal in Proxy and Instrumental Observations", Honolulu, Hawaii, Nov 15, 2006.
- Invited presentation, *XIII Venezuelan Geophysical Congress*: "Climate Change: Past and Future", Honolulu, Hawaii, Oct 23, 2006.
- Invited public lecture, "*Global Climate Change: Past and Future*", Pennsylvania Consortium for Interdisciplinary Environmental Policy, Harrisburg, PA, Oct 5, 2006.
- Invited lecture, *The Atlantic Multidecadal Oscillation, Climate Change, and Atlantic Hurricanes*, Dept. of Geography, Penn State University, University Park, PA, Sep 25, 2006.
- Invited lecture, *"Global Climate Change: Past and Future"*, 3M Corporation, Saint Paul, MN, Aug 3, 2006.
- Invited presentation, *HOLIVAR open science meeting*: "Climate over the Past Two Millennia", London, England, Jun 14, 2006.
- Invited presentation, *Workshop on Past Millennia Climate Variability: Proxy based reconstructions, modeling and methodology Synthesis and Outlook*: "Climate over the Past Millennium", Wengen, Switzerland, Jun 8, 2006.
- Invited public lecture, *"Global Climate Change: Past and Future"*, UC Santa Cruz, Santa Cruz, CA, May 10, 2006.
- Invited lecture, *"Climate over the Past Millennium"*, Earth Sciences Department, UC Santa Cruz, Santa Cruz, CA, May 9, 2006.
- Invited lecture, *"Climate over the Past Millennium"*, UC Irvine, Irvine, CA, May 3, 2006.
- Invited lecture, *"Large-scale Climate Influences on Drought: Past, Present, and Future",* Water Resources Engineering group, Penn State University, State College, PA, Apr 21, 2006.
- Invited public lecture, *"Global Climate Change: Past and Future"*, Margolin lecture in environmental affairs, Middlebury College, Middlebury VT, Mar 7, 2006.
- Invited lecture, *"Climate over the Past Millennium"*, Middlebury College, Middlebury, VT, Mar 6, 2006.
- Invited presentation, *"Climate over the Past 1-2 Millennia"*, U.S. National Academy of Sciences, Washington DC, Mar 3, 2006
- Invited lecture, *"Climate over the Past Millennium"*, Princeton Plasma Physics Laboratory, Princeton, NJ, Feb 20, 2006.
- Invited public lecture, *"Global Climate Change: Past and Future"*, Le Moyne college, Syracuse, NY, Feb 3, 2006.
- Invited lecture "*Climate over the Past Millennium*", Natural Science Seminar Series, Le Moyne college, Syracuse, NY, Feb 3, 2006.
- Guest lecture, Meteo 474, Instructor: M. Roulston, Penn State University, University Park PA, Nov 8, 2005.
- Invited lecture, *"Detecting Human Induced Climate Change: Insights from the Paleoclimate Record"***,** University of New Mexico, Dept. of Physics and Astronomy, Albuquerque, NM, Oct 8, 2005.

- Invited presentation, *Past Global Changes ("PAGES") 2nd Open Science Meeting*: "Insights from Comparing Empirically-estimated and Modeled Climate Change in Past Centuries", Beijing, China, Aug 10, 2005.
- Invited participant, *Past Global Changes ("PAGES") 2nd Open Science Meeting*, Panel Discussion on "Temperature history of the last 2000 years – what do we know?", Beijing China, Aug 10, 2005.
- Invited presentation, 9th International Association of Meteorology and Atmospheric Sciences (IAMAS) Scientific Assembly: "Dynamical Mechanisms of Solar Climate Forcing in Past Centuries", Beijing China, Aug 10, 2005.
- Invited presentation, 9th International Association of Meteorology and Atmospheric Sciences (IAMAS) Scientific Assembly: "Insights from Comparing Empirically-Estimated and Modeled Climate Change in Past Centuries", Beijing China, Aug 5, 2005.
- Invited presentation, Workshop *on Solar Variability and Planetary Climates*: "Comparisons of model simulations and proxy-based climate reconstructions over the past two millennia", International Space Science Institute (ISSI), Bern, Switzerland, Jun 6, 2005.
- Invited participant, *Workshop on Science Communications and the Media*, Lamont Doherty Earth Observatory/Columbia University, Palisades, NY, Jun 1-3, 2005.
- Invited presentation, *Symposium on Energy for the 21st Century*: "Climate Change and Global Warming", Amherst, MA, Apr 9, 2005.
- Invited lecture, Blue Ridge Community College, Harrisonburg, VA, Apr 5, 2005.
- Invited lecture, Pennsylvania State University, Dept. of Geosciences, State College, PA, Mar 29, 2005.
- Invited lecture, Spring meeting of the American Statistical Association, Philadelphia Chapter (ASAP), Philadelphia, PA, Mar 24, 2005.
- Invited lecture, Purdue University, Dept. of Earth & Atmospheric Sciences, West Lafayette, IN, Mar 3, 2005.
- Invited presentation, *Symposium on Whole Earth Systems* (honoring Stephen Schneider): "Climate over the Past Millennium Or So", Palo Alto, CA, Feb 10, 2005.
- Invited presentation, *Meeting on Decadal Variability in the Sun and Climate*, Solar Radiation and Climate Experiment (SORCE) annual meeting, Oct 28, 2004.
- Invited presentation, *Workshop on Historical Reconstruction of Climate Variability in Mediterranean Regions*, Bologna, Italy, Oct 6, 2004.
- Invited lecture, University of Arizona, Atmospheric Sciences Department, Tucson, AZ, Jul 1, 2004.
- Invited presentation, *First International CLIVAR Science Conference*: "Comparisons of Observed Paleoclimate and Model-Based Studies of Climate Changes Over the Past Two Millennia" (co-author: K. Briffa), Baltimore, MD, Jun 23, 2004.
- Invited lecture, Ohio State University, Geology Department, Columbus, OH, May 6, 2004.
- Invited lecture, Ohio State University, Physics Department, Columbus, OH, May 4, 2004.
- Invited presentation, *EGU General Assembly*: "Volcanic and Solar Forcing of El Nino Over the Past 1000 Years" (co-authors: M.A. Cane, S. E. Zebiak, A. Clement), Nice, France, Apr 27, 2004.
- Invited lecture, University of North Carolina, Carolina Environmental Program (CEP), Chapel Hill, NC, Apr 16, 2004.
- Invited presentation, *Meeting on Tree Rings and Climate*, Tucson, AZ, Apr 6, 2004.
- Invited presentation, *GSA Northeastern Section meeting*, McLean, VA, Mar 27, 2004.
- Invited lecture, Pennsylvania State University, Dept. of Meteorology, State College, PA, Mar 4, 2004.

- Invited presentation, *NASA/CLIVAR/IPRC workshop on Decadal Climate Variability*, Kona, Hawaii, Feb 23, 2004.
- Invited presentation (co-authors B. Adams, C. Ammann, R. Miller, S. Rutherford, G. Schmidt, D. Shindell), *AGU Fall meeting*: "Spatially- and seasonally-specific responses to forcing as detected in paleoclimate reconstructions of past centuries", San Francisco, CA, Dec 12, 2003.
- Invited presentation, 30th session of the *International Seminars on Planetary Emergencies*, World Federation of Scientists, Erice, Italy, Aug 20, 2003.
- Invited presentation, *AGU/EGS Joint Spring meeting*: "Ground vs. Surface Temperature Trends: Implications for Borehole Surface Temperature Reconstructions" (co-author: G. Schmidt), Nice, France, Apr 10, 2003.
- 'Vetlesen' distinguished lecturer, Graduate School of Oceanography, University of Rhode Island, Narragansett, Rhode Island, Mar 5, 2003.
- Invited presentation (co-authors G. Schmidt, D. Shindell), *AGU Fall meeting*: "Climate Changes during the Past Millennium", San Francisco, CA, Dec 8, 2002.
- Invited lecture, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, Oct, 17, 2002.
- Invited lecture, Goddard Institute for Space Studies, New York, NY, Oct 10, 2002
- Invited presentation, Chapman conference on *Volcanism and the Earth's Atmosphere*, Santorini Greece, Jun 20, 2002.
- Invited lecture, University of Copenhagen, Copenhagen, Denmark, Jun 11, 2002.
- Invited presentation, *EGS Spring meeting*: "Climate Change and Forcing over the Past 500 years" (co-authors: S. Rutherford, R. Bradley, M. Hughes), Nice, France, Apr 23, 2002.
- Invited participant, Waxter Environmental Forum, Sweet Briar College, Mar 14, 2002.
- Invited lecture, College of Marine Science, University of South Florida, Mar 8, 2002.
- Invited lecture, Center for Coastal Physical Oceanography (CCPO), Old Dominion University, Feb 18, 2002.
- Invited lecture, INSTAAR, University of Colorado, Jan 28, 2002.
- Invited lecture, Department of Geological Sciences, University of Colorado, Jan 25, 2002.
- Invited lecture, Department of Geology, University of North Carolina, Jan 18, 2002.
- Invited presentation, *AGU Fall meeting*: "Climate Reconstruction using Pseudoproxies", San Francisco, CA, December 11, 2001.
- Invited lecture, Department of Earth & Ocean Sciences, Duke University, Nov 29, 2001.
- Session introduction, Invited session on "Climate Change Detection/Attribution", National Academy of Sciences *Frontiers of Science* annual symposium, Irvine, California, Nov 9, 2001.
- Invited lecture, *Richard Foster Flint Symposium Honoring the Memory of Barry Saltzman*, Nov 3, 2001.
- Invited lecture, DCESS, University of Copenhagen, Copenhagen, Denmark, Aug 13, 2001.
- Invited presentation, *Global Change Open Science Conference*: "Variability in El Nino and the Global ENSO Phenomenon in Past Centuries", Amsterdam, Netherlands, Jul 11, 2001.
- Invited lecture, Courant Institute, New York University, New York, NY, Apr 4, 2001.
- Invited presentation, *EGS Spring meeting*: "Comparison of Large-Scale Proxy-Based Temperature Reconstructions over the Past Few Centuries" (co-authors: S. Rutherford, T. Osborn), Nice, France, March 29, 2001.
- Invited lecture, Turner Lecture Series, Department of Geological Sciences, University of Michigan, Ann Arbor, MI, Mar 16, 2001.
- Guest lecture, EVSC 350, Instructor: Jose Fuentes, University of Virginia, Charlottesville VA, Mar 6,

2001.

- Guest lecture, EVSC 493/793, Instructor: Howard Epstein, University of Virginia, Charlottesville VA, Feb 6, 2001.
- Invited presentation, *NASA/CLIVAR/IPRC workshop on Decadal Climate Variability*, Honolulu, Hawaii, Jan 8, 2001.
- Invited presentation, *AGU Fall meeting*: "Use of Proxy Climate Data in Climate Change Detection", San Francisco, CA, Dec 16, 2000.
- Invited presentation, *CLIVAR Decadal Climate Predictability Workshop*, La Jolla, California, Oct 4, 2000.
- Invited presentation, 5th *EPA NHEERL symposium on Indicators in Health and Ecological Risk Assessment*, Jun 7, 2000.
- Invited presentation, AMQUA annual meeting, Fayetteville Arkansas, May 22, 2000.
- Invited presentation, *EGS Spring meeting*: "Seasonal Proxy-Reconstructed Surface Temperature Patterns in Past Centuries", Nice, France, Apr 22, 2000.
- Guest lecture, EVSC 250, Instructor: Bob Davis, University of Virginia, Charlottesville VA, Apr 5, 2000.
- Invited public lecture, Smithsonian Environmental Research Center (SERC), Edgewater Maryland, Mar 15, 2000.
- Invited participant and speaker, workshop on *El Niño: Past Present and Future*, Seabrook Island South Carolina, Feb 28-Mar 2, 2000.
- Invited guest introductions, *US Global Change Research Program Seminar Series,* Dirksen Senate Office Building, Capitol Hill, Washington DC, Nov 23, 1999.
- Invited participant and speaker, *PAGES/CLIVAR workshop on Climate of the Last Millennium*, Venice Italy, Nov 8 - 12, 1999
- Invited lecture, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, Oct, 21, 1999.
- Invited lecture, NASA Goddard Institute for Space Studies, New York, NY, Oct 15, 1999.
- Guest lecture, EVSC 493/793, Instructor: Howard Epstein, University of Virginia, Charlottesville VA, Oct 6, 1999.
- Invited lecture, Colloquium on Regional Modeling and Detection, International Center for Theoretical Physics (ICTP), Trieste, Italy, Jun 9, 1999.
- Invited presentation, *US Global Change Research Program Seminar Series,* Dirksen Senate Office Building, Capitol Hill, Washington DC, May 17, 1999.
- Invited lecture, Physical Oceanography Seminar Series, Woods Hole Oceanographic Institute, Woods Hole, MA, Mar 2, 1999.
- Invited lecture, Department of Environmental Sciences, University of Virginia, Charlottesville, VA, Feb 18, 1999.
- Invited lecture, School of Marine and Atmospheric Science, University of Miami, Coral Gables, FL, Nov 13, 1998.
- Invited lecture, Department of Mathematics & Statistics, University of Massachusetts, Amherst, MA, Nov 2, 1998.
- Invited presentation, *NASA workshop on Decadal Climate Variability*, Williamsburg, VA, Sep 22-25, 1998
- Invited presentation, *US Global Change Research Program Seminar Series,* Dirksen Senate Office Building, Capitol Hill, Washington DC, Jul 20, 1998

- Invited presentation, *AGU Spring meeting*: "Low-frequency Variations in Midwestern U.S Precipitation: Diagnosing ENSO and Anthropogenic effects", Boston, MA, May 1998
- Invited lecture, NOAA-CDC/ERL/CIRES, Boulder, Colorado, May 13, 1998
- Invited lecture, Graduate School of Oceanography, University of Rhode Island, Narragansett, Rhode Island, Mar 6, 1998
- Invited lecture, Oceanography Department, Texas A&M university, College Station, Texas, Dec 4, 1997
- Invited lecture, Geology Department, West Virginia University, Morgantown, West Virginia, Nov 14, 1997
- Invited talk, conference on *Transformations of Middle Eastern Natural Environments: Legacies and Lessons*, Council on Middle East Studies, Yale Center for International and Area Studies, Yale University, New Haven, Oct 30-Nov 1, 1997
- Invited lecture, Hadley Centre of the United Kingdom Meteorological office, Bracknell, UK, Oct 14, 1997
- Invited presentation, *The Cross-Validation of Proxy Climate Data and the Instrumental Record*, Joint Institute for the Study of Atmosphere and Ocean, University of Washington, Seattle, Jun 23-25, 1997
- Invited lecture, Geophysical Fluid Dynamics Laboratory, Princeton University, Princeton, New Jersey, Mar 4, 1997
- Invited lecture, Department of Atmospheric Sciences, University of California Los Angeles, Feb 14, 1997
- Invited presentation, *SST reconstruction from Proxy data and Optimal Network Design Strategy For Corals and other Annual Records from Tropical Systems (ARTS)* , Lamont Doherty Earth Observatory, Columbia University, Jan 15-16, 1997
- Invited lecture, Lamont Doherty Earth Observatory, Columbia University, Dec 4, 1996
- Invited lecture, Department of Physics, University of Bern, Bern Switzerland, Oct 26, 1996
- Invited presentation, *Links between Variations in Solar Activity, Atmospheric Conductivity, and Clouds: An Informal Workshop*, Los Alamos National Laboratory, Los Alamos, New Mexico, Jun 20-21, 1996
- Invited participant, *Application of Statistics to Modeling the Earth's Climate System*, National Center for Atmospheric Research, Boulder, Colorado. Jul 6-19, 1994
- Invited lecture, United States Geological Survey, *USGS Global Change seminar series,* Reston Virginia, Apr 12, 1993
- Invited lecture, Geology Dept., Brown University, Providence, Rhode Island, Mar 10, 1993
- Invited lecture, Dept. of Chemistry, University of Utah, Jul 14, 1989

Other Talks and Abstracts

- Li, X., **Mann, M.E.**, Wehner, M.F., Li, X., Mann, M.E., Wehner, M.F., Christiansen, S., Unveiling the Role of Atmospheric Resonance in Extreme Weather Events, Blocking and Extreme Weather, Asia Oceania Geosciences Society (AOGS), Fukuoka City, Japan, August 2026.
- Larson, C.J., Bierman, P.R., **Mann, M.E.,** Corbett, L.B., Caffee, M.W., Meteoric beryllium-10 in Camp Century subglacial sediment suggests the ice sheet was absent from NW Greenland for at least 8000 years during MIS 11, International Arctic Workshop/NE Glaciology Meeting, University at Buffalo, Buffalo NY, March 2026.

- Weaver, M., Garner, A.,J., **Mann, M.E.**, Horton, A.., Establishing a Modern Baseline for Potential Evolution of Nor'easter Characteristics in a Changing Climate, AGU Ocean Sciences Meeting, Glasgow UK, February, 2026.
- Horton, A., Yap, W., Walker, J.S., Barber, D.C., Susman, K.., Brennan, L., **Mann, M.E.**, Christiansen, S., Comparison of the Environmental DNA Signatures of the Overwash Deposits from the 1962 Ash Wednesday Nor'easter and the Hurricane of 1821 , AGU Fall meeting, New Orleans LA, December, 2025.
- Li, X., **Mann, M.E.**, Wehner, M.F., Christiansen, S., Increased Frequency of Planetary Wave Resonance Events over the Past Half-Century, AGU Fall meeting, New Orleans LA, December, 2025.
- Weaver, M., **Mann, M.E.**, Christiansen, S., Establishing a Modern Baseline for Potential Evolution of Nor'easter Characteristics in a Changing Climate, AGU Fall meeting, New Orleans LA, December, 2025.
- Li, X., Stanoi, O., Christiansen, S., Kostick, H., Ochsner, K., Mann, M.E., Uncovering Drivers of Emotional Vulnerability to Extreme Heat Using Explainable Machine Learning, AGU Fall meeting, New Orleans LA, December, 2025.
- Larson, C., Bierman, P., **Mann, M.E.**, Corbett, L., Caffee, M., Meteoric Beryllium-10 in Camp Century Subglacial Sediment Suggests the Ice Sheet Was Absent From NW Greenland for at Least 8000 Years During MIS 11, AGU Fall meeting, New Orleans LA, December, 2025.
- Weaver, M.., Garner, A.J., Samanta, D., **Mann, M.E.**, Horton, B.P., Seasonal Variations of Tropical Cyclone Genesis and Landfall Patterns Impacting Southeast Asia in a Warmer Climate, AGU Fall meeting, Washington DC, December, 2024.
- Campbell, E., **Mann, M.E**., Communication Opportunities to Address Climate, Health, and Equity Challenges, AGU Fall meeting, Washington DC, December, 2024.
- Weaver, M., **Mann, M.E.**, Garner, A.J., Establishing a Modern Baseline for Potential Evolution of Nor'easter Characteristics in a Changing Climate, AGU Fall meeting, Washington DC, December, 2024.
- Staley, K., Kostick, H., **Mann, M.E.**, Between Dread and Hope: Investigating Climate Change Distress within a Diverse Sample of Gen Z Young Adults, AGU Fall meeting, Washington DC, December, 2024.
- Horton, A.., Yap, W., Walker J., Barber, D.C., **Mann, M.E.**, Christiansen, S., Can Environmental DNA within Overwash Deposits Identify Nor'easters? AGU Fall meeting, Washington DC, December, 2024.
- Carrillo, J., **Mann, M.E.**, Marinov, I., Christiansen, S., Willeit, M., Nonlinearities in the CO2 Dynamics during the Last 3 Million Years, AGU Fall meeting, Washington DC, December, 2024.
- Lutzke, L., Campbell, E., Kostick, H., **Mann, M.E.**, Communicating Policy: Raising Awareness of Inflation Reduction Act Benefits in Philadelphia, AGU Fall meeting, Washington DC, December, 2024.
- Larson, C., **Mann, M.E.**, Carrillo, J., Christiansen, S., Willeit, M., Simulating the Last Glacial Maximum Using the Earth System Model of Intermediate Complexity, CLIMBER-X, AGU Fall meeting, Washington DC, December, 2024.
- Li, X., **Mann, M.E.**, Wehner, M.F., Christiansen, S., Concurrent Extremes in August 2023: the Role of Planetary Wave Resonance, AGU Fall meeting, San Francisco CA, December, 2024.
- Sinclair, A.H., Cosme, D., Carreras-Tartak, J., Butler, T., Kostick, H., **Mann, M.**, & Falk, E. (2024, April). Misperceptions of impact predict intentions to take action against climate change. Poster presentation at the meeting of the *Cognitive Neuroscience Society*, Toronto, ON.

- Sinclair, A.H., Cosme, D., Carreras-Tartak, J., Butler, T., Kostick, H., **Mann, M.**, & Falk, E. (2024, April). Cognitive and social factors shape intentions to take action against climate change. Poster presentation at the meeting of the *Social and Affective Neuroscience Society,* Toronto, ON.
- Li, X., **Mann, M.E.**, Wehner, M.F., Christiansen, S., Unveiling the Role of Atmospheric Resonance in Extreme Weather Events, Blocking and Extreme Weather, U.S. CLIVAR Workshop, Boulder CO, March 18-20 2024.
- Weaver, M.., Garner, A.J., Samanta, D., Horton, B.P., **Mann, M.E.**, Shifting Tropical Cyclone Genesis and Landfall Patterns with Impacts for Southeast Asia in a Warmer Climate, AGU Fall meeting, San Francisco CA, December, 2023.
- Carrillo, J., **Mann, M.E.**, Willeit, M., Christiansen, S., Rahmstorf, S., Larson, C., Ganapolski, A., Li, X., Fernandez, A., Steinman, B.A., Mann, M.E., Christiansen, S., Path-Dependence of the Plio-Pleistocene Ice Ages, AGU Fall meeting, San Francisco CA, December, 2023.
- Fernandez, A., Steinman, B.A., **Mann, M.E.**, Christiansen, S., Internal Climate Variability in the Last Millennium: Case Study of the Atlantic Multidecadal Oscillation in Model Simulations and Paleoclimate Proxy Records, AGU Fall meeting, San Francisco CA, December, 2023.
- Li, X., **Mann, M.E.**, Wehner, M.F., Rahmstorf, S., Kornhuber, K., Petri, S., Coumou, D., Christiansen, S., Carrillo, J., Role of Atmospheric Resonance and Land-atmosphere Feedbacks as a Precursor to the June 2021 Pacific Northwest "Heat Dome" Event, AGU Fall meeting, San Francisco CA, December, 2024.
- Oliveira Guimarães, S., E. **Mann, M.**, Rahmstorf, S., Petri, S., Kornhuber, K., Coumou, D., A. Steinman, B., Brouillette, D., and Christiansen, S.: Projected changes on quasi-resonant amplification by CMIP5 and CMIP6 toward the persistence in extreme summer weather events, EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-15986, https://doi.org/10.5194/egusphere-egu23-15986, 2023.
- Fernandez, A., Steinman, B.A., **Mann, M.E.**, Brouillette, D.J., Internal multidecadal variability in the CSEM Last Millennium ensemble and observational temperature records, AGU Fall meeting, Chicago IL, December, 2022.
- **Mann, M.E.,** Challenges in Separating Forced and Internal Low-Frequency Climate Variability, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Jan 26 2022.
- Hausfather, Z., Rhode, R.A., **Mann, M.E.**, Wuebbles, D.J.., Boslough, M., An improved assessment of record-setting US daily temperatures using homogenized data, AGU Fall meeting, New Orleans LA, December, 2021.
- Mukherjee, S., Mishra, A., **Mann, M.E.**, Raymond, C., Anthropogenic warming likely to double the Impact of Heat Stress on US Population, AGU Fall meeting, New Orleans LA, December, 2021.
- **Mann, M.E.,** The Rise and Fall of the Atlantic Multidecadal Oscillation, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Sep 1 2021.
- Cheng. L., Trenberth, K.E., Gruber, N., **Mann, M.E.**, Abraham, J.P., Fasullo, J., Guancheng, L., Zhu., J., Improved estimates of changes in upper ocean salinity and the water cycle, AGU Fall meeting (online), December, 2020.
- Salinger, J.M., Fuentes, J.D., **Mann, M.E.**, Afforestation versus Reforestation in New Zealand: Effects on Regional Climate, Session 1B Land Use and Land Cover Change—Interactions with Weather and Climate, 33rd Conference on Climate Variability and Change, American Meteorological Society Annual Meeting, Jan 13, 2020.
- Restrepo, J.M., **Mann, M.E.**, Global Climate Change Forecasting Under Uncertainties, AGU Fall meeting, San Francisco, CA, December, 2019.

- **Mann, M.E.,** Quantum Mechanics, Waveguides, Climate Change & Extreme Weather, Frank Talks Series, Department of Meteorology, Penn State University, Feb 14 2018
- Gaudet, B.J., **Mann, M.E.**, Wherley, M., Meteorology and Mitigation: Online Climate Change Courses at Penn State University, AGU Fall meeting, Washington DC, December 2018.
- Shaw, T., Horton, B.P., Kemp, A., Cahill, N., Engelhart, S.E., Brain, M., **Mann, M.E.**, Clear, J., Corbett, D.R., Niktina, D., Walker J.S., Barbieri, G., Mechanisms of late Holocene relative sea-level variability in the Chesapeake Bay, AGU Fall meeting, Washington DC, December 2018.
- **Mann, M.E.**, *GSA Annual meeting*: "*Climate Change and Extreme Summer Weather Events*", Indianapolis, IN, Nov 5 2018.
- **Mann, M.E.**, Climate Downscaling and Extreme Weather Events, Environmental Effects on Pollinators Workshop, Huck Institutes of the Life Sciences, Penn State University, Oct 1 2018.
- **Mann, M.E.,** Climate Change and Extreme Summer Weather Events, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Sep 5 2018.
- **Kornhuber**, K., Petoukhov, V., Petri, S., **Mann, M.,** Rahmstorf, S., Coumou, D., The dynamics of synchronized weather extremes: Planetary wave-resonance and circumglobal teleconnections, EGU General Assembly, Vienna, Austria, Apr 9, 2018.
- **Mann, M.E.,** Projected Changes in Persistent Extreme Summer Weather Events: The Role of Quasi-Resonant Amplification, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Jan 24, 2018.
- **Mann, M.E.**, Schurer, A., Hawkins, E., Tett, S., Hegerl, G., Importance of the pre-industrial baseline in determining the likelihood of exceeding the Paris limits, AGU Fall meeting, New Orleans, LA, December 2017.
- Shaw, T., Horton, B., Kemp, A., Cahill, N., **Mann, M.**, Engelhart, S., Kopp, R., Brain, M., Clear, J., Corbett, R., , R., Nikitina, , Garcia-Artola, A., Walker, J., Climate-related relative sea-level changes from Chesapeake Bay, U.S. Atlantic coast, EGU General Assembly, Vienna, Austria, April 2017.
- Garner, A., **Mann, M.**, Emanuel, K., Kopp, R., Lin, N., Alley, R., Horton, B., DeConto, R., Donnelly, J., Pollard, D., The Changing Risk of Coastal Flooding in New York City from 850 CE to 2300 CE, EGU General Assembly, Vienna, Austria, April 2017.
- Garner, A. J., **Mann, M.E.**, Emanuel, K.A., Kopp R., Lin, N., Alley, R.B., Horton, B.P., DeConto, R., Donnelly, J.P., Pollard, D., The Changing Threat of Coastal Flooding Associated with Tropical Cyclones in New York City, From the Past Millennium to 2300 C.E., AAG Annual Meeting, Boston, MA, April 2017.
- **Mann, M.E.,** Influence of Anthropogenic Climate Change on Planetary Wave Resonance and Extreme Weather Events, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Mar 1, 2017.
- Kornhumber, K., Coumou, D., Petoukohov, V., Petri, S., Huntingford, C., Mitchell, D., **Mann, M.E**, Karoly, D.J., Rahmstorf, S., Quasi-Resonant Amplification of Planetary Waves in Observations, Models and Projections, AGU Fall Meeting, San Francisco, CA, December 2016.
- Jacobs, P., Hausfather, A., Cowtan, K., Hawkins, E., **Mann, M.**, Miller, S., Steinman, B., Way, R., Stolpe, M., Robust Comparison of Climate Models with Observations Using Blended Land Air and Ocean Sea Surface Temperatures, AGU Fall meeting, San Francisco, CA, December, 2015.
- Cheung, A., **Mann, M.**, Frankcombe, L., England, M., Steinman, B., Miller, M., Internal Interdecadal Variability in CMIP5 Control Simulations, AGU Fall meeting, San Francisco, CA, December, 2015.
- Reed, A., **Mann, M.**, Emanuel, K., Lin, K., Horton, B., Kemp, A., Alley, R., Past, Present, and Future Threat of Tropical Cyclones and Coastal Flooding in New York City, AGU Fall meeting, San Francisco, CA, December 2015 (solicited).

- Rahmstorf, S., Box, J., Feulner, G., **Mann, M.,** Robinson, A., Rutherford, S., Schaffernicht, E., Exceptional 20th-Century slowdown in Atlantic Ocean overturning circulation, Our Common Future Under Climate Change International Scientific Conference, Paris, France, July 8, 2015.
- **Mann, M.E.,** A scientist's perspective on Capitol Hill, communicating with policy makers, and science policy, Center for Science Advocacy Club, Penn State University, May 18, 2015.
- Novak, A., Harris, K., Alley, R., **Mann, M.,** Titley, D., Climate Change: Ethics and Collective Responsibility, 15th National Conference And Global Forum on Science, Policy, and the Environment, National Council for Science and the Environment, Washington, DC, Jan 27, 2015.
- **Mann, M.E.,** The AMO, the PDO and Northern Hemisphere Temperatures, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Sep 3, 2014.
- **Mann, M.E.,** How Likely WAS the 2014 Global Temperature Record?, Earth System Science Center, Penn State University, Feb 18, 2014.
- Reed, A., **Mann, M.E.**, Emanuel, K., An Analysis of North Atlantic Tropical Cyclones and Their Impacts on Coastal Inundation in New York and New Jersey during the Last Millennium, AGU Fall meeting, San Francisco, CA, Dec 19, 2014.
- Brown, M.B., **Mann, M.E.**, Peacock, K., Lewandowsky, S., Climate Change: Ethics and Collective Responsibility, AGU Fall meeting, San Francisco, CA, Dec 18, 2014.
- Schreiber, K.V., Paaijmans, K.P., Blanford, J.I., Crane, R.G., **Mann, M.E.**, Ning, L., Thomas, M.B., Improvements in Estimation of Malaria Transmission Potential Modeling with Anthropogenic Climate Warming, 20th International Congress of Biometeorology, International Society of Biometeorology, Cleveland, OH, Sep 29, 2014.
- **Mann, M.E.,** The AMO, the PDO and Northern Hemisphere Temperatures, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Sep 3, 2014.
- **Mann, M.E.,** Fun with Energy Balance Models, Climate Dynamics Seminar Series, Earth System Science Center, Penn State University, Jan 29, 2014.
- Reed, A. J., **Mann, M. E.,** Lin, N., Kemp, A. C., Emanuel, K. A., Impacts of sea-level rise, tropical cyclones, and climate change on coastal inundation in New York and New Jersey, AGU Ocean Sciences Meeting, Honolulu, HI, February 2014.
- Horton, B., Corbett, D.R., Donnelly, J.P., Kemp, A., Lin, N., Lindeman, K., **Mann, M.E.**, Peltier, W.R., Rahmstorf, S., Advanced Regional and Decadal Predictions of Coastal Inundation for the U.S. Atlantic and Gulf Coasts, AGU Fall meeting, San Francisco, CA, December 2013 (solicited).
- Simon, S.M., **Mann, M.E**, Steinman, B.A., Feng, S., Zhang, Y., Miller, S.K., Simulations of Western North American Hydroclimate during the Little Ice Age and Medieval Climate Anomaly, AGU Fall meeting, San Francisco, CA, December 2013.
- Brouillette, D.J., **Mann, M.E.**, Miller, S.K., Rutherford, S.D., Steinman, B.A., Reconstruction of Precipitation in North America Over The Last Millennium Using Multiple Proxies, AGU Fall meeting, San Francisco, CA, December 2013.
- Singh, R., Wagener, T., Crane, R.G., **Mann, M.E.**, Ning, L., Considering uncertainty in climate change projections through a new decision-centric approach to global change impact assessment on water resources tested in a Pennsylvania watershed, AGU Fall meeting, San Francisco, CA, December 2013.
- Steinman, B.A., **Mann, M.E.**, Miller, S.K., Emanuel, K., Assessment of forced and internal variability in the AMO through analyses of SST data from CMIP5 historical simulations and observations, AGU Fall meeting, San Francisco, CA, December 2013.

- Dahms, D.E., **Mann, M.E.**, Noren, A.J., Johnson, T., Geiss, C., ENSO-like cyclicity in full-glacial (MIS-2) lake varves from the Wind River Range of Wyoming, GSA Annual meeting, Denver CO, October, 2013.
- Kelly, L.D., Grajal, A., Luebke, J.F., Clayton, S., Saunders, C.D., Matiasek, J., Stanoss, R., Goldman, S.R., **Mann, M.E.**, Karazsia, B.T., Positive Affective Connections to Animals and Behaviors that Address Climate Change among Public Audiences, AGU Chapman Conference on Communicating Climate Science, Granby, Colorado, June, 2013.
- Rahmstorf, S., Schafffernicht, E., Feulner, **Mann, M.**., Evidence for a sudden slowdown in Atlantic overturning around 1970, EGU General Assembly, Vienna, Austria, April, 2013.
- Singh, R., Wagener, T., van Werkhoven, K., **Mann, M.E.,** Crane, R., Ning, L., A robust decision making framework for identifying dominant controls on indicators of hydrologic alteration under environmental change, EGU General Assembly, Vienna, Austria, April, 2013.
- Abbott, M.B., Steinman, B.A., **Mann, M.E.**, Anderson, L., Ortiz, J.D., Finney, B.P., Preliminary Findings from Lake Sediment Studies of Changing Water Availability in Western North America During the Holocene, Pacific Climate (PACLIM 2013) Workshop, Asilomar Conference Center, Pacific Grove, CA, March, 2013.
- Steinman, B.A., Abbott, M.B., **Mann, M.E.**, Ortiz, J.D., Anderson, L., Finney, B.P., Closed lake oxygen isotope records of drought in the Pacific Northwest spanning the common era, Pacific Climate (PACLIM 2013) Workshop, Asilomar Conference Center, Pacific Grove, CA, March, 2013.
- Schurer, A, Hegerl, G., Tett, S., **Mann, M.**, Phipps, S., The importance of external forcing on the climate of the last millennium, PAGES 4th Open Sciences Meeting, Goa, India, February, 2013.
- **Mann, M.E.**, Hurricanes and Climate Change, PSUBAMS Talk series, Department of Meteorology, Penn State University, University Park, PA, February, 2013.
- Singh, R., Werkhoven, K.V., Wagener, T., **Mann, M.E.**, Crane, R., Ning, L., When does model parameter nonstationarity matter? Insights from the applications of a novel trading space-for-time framework across the US and South Africa, AGU Fall meeting, San Francisco, CA, December, 2012.
- Steinman, B., Abbott, M.B., **Mann, M.E.**, Ortiz, J.D., Hydroclimate of the Pacific Northwest during the Little Ice Age and Medieval Climate Anomaly, AGU Fall meeting, San Francisco, CA, December, 2012.
- Schurer, A., Hegerl, G., Tett, S., **Mann, M.**, Causes of Northern Hemispheric temperature change over the last millennium, 3rd International Conference on Earth System Modelling, Hamburg, Germany, September, 2012.
- Magerman, J., Najjar, R., **Mann, M. E.**, Cronin, T. M., Late-Holocene North Atlantic Sea-Surface Temperature Variability, AGU 2012 Ocean Sciences Meeting, Salt Lake City, UT, February, 2012.
- Singh, R., Wagener, T., Werkhoven, K.V., **Mann, M.E.**, Crane, R., Shortle, J., Probabilistic predictions of hydrologic services in ungauged basins and under global change, AGU Fall meeting, San Francisco, CA, December, 2011.
- Goosse, H., Crespin, E., Dubinkina, S., Loutre, M.-F., **Mann, M.E.,** Renssen, H., Sallaz-Damaz, Y., Shindell, D.T., The Role of Forcing and Internal Dynamics in Explaining the "Medieval Climate Anomaly", AGU Fall meeting, San Francisco, CA, December, 2011.
- Emile-Geay, J., Cobb, K.M., **Mann, M.E.**, Rutherford, S.D., Wittenberg, A.T., Coherent anti-phasing between solar forcing and tropical Pacific climate over the past millennium: derivation and implications, AGU Fall meeting, San Francisco, CA, December, 2011.
- Keller, K., Sriver, R.L., Timmermann, A., Laurian, A., **Mann, M.E.**, ENSO variability under parametric uncertainty in an Earth System model of intermediate complexity, AGU Fall meeting, San Francisco, CA, December, 2011.

- Fan, F., **Mann, M.E.**, Lee, S., Evans, J.L., Changes in the South Asian Summer Monsoon: An Analysis of the CMIP3 Multi-Model Projections, AGU Fall meeting, San Francisco, CA, December, 2011.
- **Mann, M.E.**, Climate change impacts on Atlantic tropical cyclone activity: Insights from the paleoclimate record, GSA Annual meeting, Minneapolis, MN, October, 2011.
- Kemp, A.C., Horton, B.P., Donnelly, J.P., **Mann, M.E.**, Vermeer, M., Rahmstorf, S., Climate related sea-level variations over the past two millennia, XVIII INQUA Congress, Bern, Switzerland, July, 2011.
- Goosse, H., Crespin, E., Dubinkina, S., Loutre, M.-F., **Mann, M.E.,** Renssen, H., Sallaz-Damaz, Y., The Medieval Climate Anomaly in simulations with data assimilation, XVIII INQUA Congress, Bern, Switzerland, July, 2011.
- Goosse, H., Guiot, J., **Mann, M.E.,** Dubinkina, S., Sallaz-Damaz, Y., The medieval climate anomaly in Europe: comparison of the summer and annual mean signals in two reconstructions and in simulations with data assimilation, XVIII INQUA Congress, Bern, Switzerland, July, 2011.
- Crespin, E., Goosse, H., Fichefet, T., Mairesse, A., Sallaz-Damaz, Y., Dubinkina, S., **Mann, M.E.**, Arctic climate over the past 1500 years: response to external forcing and internal variability, XVIII INQUA Congress, Bern, Switzerland, July, 2011.
- Kozar, M.E., **Mann, M.E.**, Emanuel, K.A., Analysis of Atlantic Tropical Cyclone Counts Over the Past Millennium, 3rd International Summit on Hurricanes and Climate Change, Rhodes, Greece, June 2011.
- **Mann, M.E.**, Kozar, M.E., Emanuel, K.A., Relationships Between Basin-Wide and Landfalling Atlantic Tropical Cyclones: Analysis of Long-Term Simulation Results, 3rd International Summit on Hurricanes and Climate Change, Rhodes, Greece, June 2011.
- Goosse, H., Crespin, E., Dubinkina, S., Loutre, M.-F., **Mann, M.E.,** Renssen, H., Sallaz-Damaz, Y., Shindell, D., The Medieval Climate Anomaly: mechanisms beyond a direct radiative forcing, EGU General Assembly, Vienna, Austria, April, 2011.
- Kozar, M.E., **Mann, M.E.**, Camargo, S.J., Kossin, J.P, Statistical Modeling of Atlantic Tropical Cyclone Counts, 91st Annual Meeting, American Meteorological Society, January 2011.
- Singh, R., Wagener, T., Werkhoven, K.V., **Mann, M.E.**, Crane, R., Ning, L., Trading Space for Time: A non-stationary approach to probabilistic flow predictions in a changing climate, AGU Fall meeting, San Francisco, CA, December, 2010.
- Sriver, R.L., Goes, M.P., **Mann, M.E.**, Huber, M., Keller, K., Recent Advances in Understanding Tropical Cyclone-Climate Interactions Using Climate Models of Varying Complexity, AGU Fall meeting, San Francisco, CA, December, 2010.
- Reisman, J.P., **Mann, M.E.**, Climate Science Communications - Video Visualization Techniques, AGU Fall meeting, San Francisco, CA, December, 2010.
- **Mann, M.E.,** Of Random Walks and Global Temperature, "Frank Talks" series, Department of Meteorology, Penn State University, September 2010.
- Sriver, R.L., **Mann, M.E.**, Huber, M. Goes, M.P., Keller, K., New Insights into Tropical Cyclone-Climate Interactions using Climate Models of Varying Complexity, NOAA Climate & Global Change Postdoctoral Fellowship Program Summer Institute, Steamboat Springs, CO, July, 2009.
- Fan, F., **Mann, M.E.**, Lee, S., Observed and Modeled Changes in the South Asian Summer Monsoon over the Historical Period, AGU Fall meeting, San Francisco, CA, December, 2009.
- Sriver, R.L., **Mann, M.E.**, Goes, M.P., Keller, K., Climate Response to Tropical Cyclone-Induced Ocean Mixing in an Earth System Model of Intermediate Complexity, AGU Fall meeting, San Francisco, CA, December, 2009.

- Emile-Geay, J., Cobb, K.M., **Mann, M.E.**, Rutherford, S.D., Wittenberg, A.T., Low-Frequency Tropical Pacific Sea-Surface Temperature over the Past Millennium: Reconstruction and Error Estimates, AGU Fall meeting, San Francisco, CA, December, 2009.
- **Mann, M.E.**, Woodruff, J.D., Donnelly, J., Zhang, Z., El Nino, tropical Atlantic warmth, and Atlantic hurricanes during the past 1500 years, 2nd International Summit on Hurricanes and Climate Change, Corfu, Greece, June 2009.
- Goosse, H., Crespin, E., **Mann, M.E.,** Renssen, H., Timmermann, A., A dynamically consistent reconstruction of surface temperature changes during the last 600 years based on climate model simulations using data assimilation, EGU General Assembly, Vienna, Austria, April 2009 (solicited).
- Crespin, E., Goosse, H., Fichefet, T., **Mann, M.E.**, Did fluctuations of the thermohaline circulation in the North Atlantic play a role during Arctic warm episodes of the past millennium? EGU General Assembly, Vienna, Austria, April 2009.
- **Mann, M.E.,** Bradley, R.S., Crespin, E., Goosse, H., Hughes, M.K., Rutherford, S., Shindell, D., Zhang, Z., Towards Understanding Patterns of Climate Change in Past Centuries, EGU General Assembly, Vienna, Austria, April 2009.
- Crespin, E., Goosse, H., Fichefet, T., **Mann, M.E.**, Potential causes of 15th century Arctic warming using coupled model simulations with data assimilation, EGU General Assembly, Vienna, Austria, April 2009.
- Katz, B.G., Najjar, R.G., **Mann, M.E.**, Potential impact of changing sea level and streamflow on salinity of the upper Delaware Bay, 3rd Delaware Estuary Science and Environmental Summit, Cape May, NJ, January 2009.
- Sabbatelli, T., **Mann, M.E.**, S.K. Miller, Semi-Empirical Projections of Future Atlantic Tropical Cyclone Activity, 8th Annual AMS Student Conference, Phoenix, AZ, January 2009
- Crespin, E., Goosse, H., Fichefet, T., **Mann, M.E.**, Causes of 15th century warming event in the Arctic in a coupled climate model including data assimilation, AGU Fall meeting, San Francisco, CA, December, 2008.
- Emile-Geay, J., Cobb, K.M., **Mann, M.E.**, Rutherford, S., Low-Frequency Tropical Pacific Sea-Surface Temperature over the Past Millennium: Reconstruction and Error Estimates, AGU Fall meeting, San Francisco, CA, December, 2008.
- Sabbatelli, T.A., **Mann, M.E.**, Miller, S.K., Evans, J.L., Semi-Empirical Projections of Future Atlantic Tropical Cyclone Activity, AGU Fall meeting, San Francisco, CA, December, 2008.
- Crespin, E., Goosse, H., Fichefet, T., **Mann, M.E.**, Simulating the climate of the Arctic during the last millennium in a coupled climate model including data assimilation, EGU General Assembly, Vienna, Austria, April 2008.
- Emile-Geay, J.E. , Cobb, K.M., **Mann, M.E.**, Experimental reconstructions of tropical Pacific sea-surface temperature over the past millennium, EGU General Assembly, Vienna, Austria, April 2008
- Steig, E.J., Schneider, D.P., Rutherford, S.D., **Mann, M.E.**, Comiso, J.C., Shindell, D.T., Significant warming of West Antarctica in the last 50 years, EGU General Assembly, Vienna, Austria, April 2008.
- Katz, B.G., Najjar, R.G., Cronin, T.M., **Mann, M.E.**, Rayburn, J.A., Duration and magnitude of freshwater floods during the 13 KA and 11.4 KA BP events in the Paleo-Champlain Sea, GSA Northeastern Section, Buffalo, NY, March 2008.
- Najjar, R., Graham, S., Hilton, T., Katz, B., Li, M., **Mann, M.**, Patterson, L., Zhong, L., Climate Forcing of Mid-Atlantic Estuaries in the 21st Century, Ocean Sciences Meeting, Orlando, Florida, March 2008.

- Crespin, E., Goosse, H., Fichefet, T., **Mann, M.E.**, Simulating the climate of the Arctic during the last millennium in a coupled climate model including data assimilation, 38th International Arctic Workshop, Boulder, CO, March 2008.
- **Mann, M.E.**, Fan, F., Zhang, Z, Ammann, C., Shindell, D., Schmidt, G., The Importance of Dynamical Responses to Forcing in Understanding Climate Changes Over the Past Millennium, AGU Fall meeting, San Francisco, CA, December, 2007.
- Fan, F., **Mann, M.E.**, Ammann, C., , Changes in the Asian Summer Monsoon over the Past Millennium, AGU Fall meeting, San Francisco, CA, December, 2007.
- Goosse, H., **Mann, M.E.**, Renssen, H., Timmerman, A., Data assimilation over the last millennium using a large ensemble of simulations, AGU Fall meeting, San Francisco, CA, December, 2007.
- Najjar, R., T. Hilton, B. Katz, L. Zhong, M. Li and **M. Mann**, Is there a signal of sea-level rise in the salinity of mid-Atlantic estuaries. Presentation at the annual meeting of the Estuarine Research Federation, Providence, RI, November 8, 2007.
- Fan, F., **Mann, M.E.**, Ammann, C., Natural Forcing of the Asian Summer Monsoon Over the Past Millennium, 3rd Alexander von Humboldt International Conference on The East Asian Monsoon, past, present, Beijing China, August, 2007.
- Goosse, H., **Mann, M.E.**, Renssen, H., Timmerman, A., Reconstructing temperature changes over the past millennium using both model results and observations, Second International Conference on Earth System Modelling, Hamburg Germany, August, 2007.
- **Mann, M.E.**, Zhang, Z, Rutherford, S., Bradley, R., Hughes, M., Proxy-based Reconstructions of Past Hemispheric and Global Mean Surface Temperature Variations, *IUGG* 24th General assembly, Perugia, Italy, July, 2007.
- **Mann, M.E.**, Zhang, Z, Rutherford, S., Bradley, R., Hughes, M., Proxy-based Reconstructions of Past Hemispheric and Global Mean Surface Temperature, AGU Fall meeting, San Francisco, CA, December, 2006.
- Rutherford, S., **Mann, M.E.**, Wahl, E.R., Ammann, C., Test of Climate Field Reconstruction Performance Using Pseudoproxies, AGU Fall meeting, San Francisco, CA, December, 2006.
- Emanuel, K., **Mann, M.E.**, Hurricanes and the Atlantic Multidecadal Oscillation, AGU Fall meeting, San Francisco, CA, December, 2006.
- Goosse, H., Renssen, H., Timmermann, A, Bradley, R.S., **Mann, M.E.**, Using paleoclimate proxy-data to select optimal realisations in an ensemble of simulations of the climate of the past millennium, EGU General Assembly, Vienna, Austria, April 2006.
- **Mann, M.E.**, Global Warming, the AMO, and North Atlantic Tropical Cyclones, ESSC Brownbag Seminar, Penn State University, University Park, PA, March, 2006.
- Knight, J., Allan, R., Folland, C., Vellinga, M., **Mann, M.**, A Signature of Persistent Natural Thermohaline Circulation Cycles in Observed Climate, AGU Fall meeting, San Francisco, CA, December, 2005 (solicited).
- Cook, B.I., Epstein, H.E., Smith, T.M., **Mann, M.E.**, Arctic Oscillation Induced Warming and Terrestrial Responses, AGU Fall meeting, San Francisco, CA, December, 2005.
- Emile-Geay, J.B., Cane, M.A., **Mann, M.E.**, Seager, R., ENSO response to radiative forcing over the Holocene: a model perspective, AGU Fall meeting, San Francisco, CA, December, 2005.
- Knight, J., Scaife, A., Allan, R., Folland, C., Vellinga, M., **Mann, M.**, The Atlantic Multidecadal Oscillation: a signature of thermohaline circulation cycles in observed climate, IAMAS 9th Scientific Assembly, Beijing, China, August 2005.

- Goosse, H., Renssen, H., Timmermann, A., Bradley, R., **Mann, M.**, Using paleoclimate proxy-data to select an optimal realisation in an ensemble of simulations of the climate of the past millennium, EGU General Assembly, Vienna, Austria, April 2005 (solicited).
- Graham, N., Ammann, C., Tomas, R., Hoerling, M., Xu, T., Hughes, M., **Mann, M.**, Understanding late Holocene climate transitions in the Pacific: Results from proxy-guided AGCM experiments, EGU General Assembly, Vienna, Austria, April 2005 (solicited).
- Cook, E.; Herweijer, C.; Seager, R.; **Mann, M.**, Long-term drought variability over North America and its connection to global and tropical Pacific SST forcing, EGU General Assembly, Vienna, Austria, April 2005.
- Emile-Geay, J., Cane, M., **Mann, M.**, Bond, G., Radiative forcing of El Niño-Southern Oscillation over the Holocene: a model perspective, EGU General Assembly, Vienna, Austria, April 2005.
- Cook, E., Cane, M., Seager, R., **Mann, M.**, Tropical Pacific Links to Long-Term Aridity Changes in the Western United States, Chapman conference on Tropical-Extratropical Teleconnections, Honolulu, HI, February 2005 (solicited).
- Cane, M., Emile-Geay, J., Seager, R., Clement, A. **Mann, M**., Solar Influence on ENSO and the Tropics?, AGU Fall meeting, San Francisco, CA, December, 2004 (solicited).
- Cook, B.I., Smith, T.M., **Mann, M.E.**, The North Atlantic Oscillation and Regional Phenology Prediction Over Europe, AGU Fall meeting, San Francisco, CA, December, 2004.
- Steig, E.J., Schneider, D.P., **Mann, M.E.**, Rutherford, S.J., van Ommen, T., Winebrenner, D.P., Antarctic Temperatures since 1856, Western Antarctic Ice Shelf meeting, September 2004.
- Cronin, T.M., Willard, D.A., Thunell, Dwyer, G.S., **Mann, M.E.**, Seanger, C., Climate Variability from Estuarine Sediments: A Case Study of Chesapeake Bay, First International CLIVAR Science Conference, June 2004.
- Jones, P.D., **Mann, M.E.**, "Comparisons of millennial reconstructions of Northern Hemisphere (NH) temperatures from proxy data with coupled-GCM integrations" , EGU General Assembly, Nice, France, April 2004.
- Luterbacher, J., Xoplaki, E, Fischer, E., Pauling, A., Gonzalez-Rouco, F.J., Garcia Herrera, R., Guiot, J., Zorita, E., Jacobeit, J., Mariotti, A., Rimbu, N., Felis, T., Rodrigo, F., Barriendos, M., **Mann, M.E.**, Touchan, R., Past mediterranean climate variability – present knowledge and Scientific Challenges For Future Research, EGU General Assembly, Nice, France, April 2004.
- Saenger, C.P., Cronin, T.M., Thunell, R. Vann, C., Dwyer, G., Seal, R. II, **Mann, M.E.**, Eastern U.S. Holocene Climate Variability from Chesapeake Bay Sediments, Geological Society of America Annual Northeastern Section meeting, March 2004.
- Hughes, M.K., Ni, F., **Mann, M.E.**, Park, J., Global Multidecadal to Century-Scale Climate Oscillations During the Last 1000 Years, AGU Fall meeting, San Francisco, CA, December, 2003.
- Shindell, D.T, Schmidt, G.A., **Mann, M.E**., Miller, R.L., Northern Hemisphere Regional Climate Change during the Last Millennium, AGU Fall meeting, San Francisco, CA, December, 2003.
- Schmidt, G.A., Shindell, D.T., Miller, R.L., and **Mann, M.E.**, External forcing of climate change during the Holocene, IMAGES Holocene Working Group Meeting, Hafslo, Norway, August 2003.
- **Mann, M.E.**, Rutherford, S., Jones, P.D., Schmidt, G.A., Shindell, D., Climate changes during the past millennium, IUGG Meeting, Sapporo, Japan, July, 2003.
- Knight, R.G., Folland, C.K., Vellinga, M., **Mann, M.E.**, The Atlantic Multidecadal Oscillation and the Thermohaline Circulation: A Global-Scale Ocean-Atmosphere Mode Simulated in a 1400 Year Coupled Model Calculation, IUGG Meeting, Sapporo, Japan, July, 2003.

- Wiberg, P., Cleary, P., **Mann, M.E.**, Coupling wave and meteorological observations with bottom-boundary-layer models to investigate spatial and temporal variability in continental-shelf sediment transport, International Geological Congress, Florence, Italy, June, 2003.
- Knight, R.G., Folland, C.K., Vellinga, M., **Mann, M.E.**, The Atlantic Multidecadal Oscillation and the Thermohaline Circulation: A Global-Scale Ocean-Atmosphere Mode Simulated in a 1400 Year Coupled Model Calculation, Conference of the Royal Meteorological Society, June, 2003.
- D'Arrigo, R.D., Cook, E.R., **Mann, M.E.**, Jacoby, G.C., Tree-ring Reconstructions of Arctic Oscillation Indices Since AD 1650, ARCUS 15th Annual Meeting And Arctic Forum, Arlington, VA, April 2003.
- Shindell, D.T., Schmidt, G.A., Miller, R., **Mann, M.E.**, "Volcanic and Solar Forcing of Global and Regional Climate During the Preindustrial Era" , AGU/EGS Joint Spring meeting, Nice, France, April 2003.
- Zhang, Z., **Mann, M.E.**, Cook, E.R., A Revised Set of Dendroclimatic Reconstructions of Summer Drought over the Conterminous U.S., AGU Fall meeting, San Francisco, CA, December, 2002.
- Rutherford, S., **Mann, M.E.**, Bradley, R., Briffa, K., Hughes, M., Jones, P., Osborn, T., Proxy-Based Reconstruction of Surface Temperature Variations in Past Centuries, AGU Fall meeting, San Francisco, CA, December, 2002.
- Cook, B.I., **Mann, M.E.**, Smith, T., A Statistical Resampling Technique for Conditioning Simulated Daily European Surface Temperatures on the North Atlantic Oscillation Index, AGU Fall meeting, San Francisco, CA, December, 2002.
- Adams, B., Ammann, C.M., **Mann, M.E.**, Using Paleoclimatic Reconstructions of ENSO Variability During the Past Few Centuries to Re-Examine the 'Volcano-ENSO' Hypothesis, AGU Fall meeting, San Francisco, CA, December, 2002.
- Rutherford, S., **Mann, M.E.**, Proxy-Based Reconstructions of Surface Temperature Patterns During the Maunder Minimum, AGU Spring meeting, Washington, DC, May 2002.
- Shindell, D.T., Schmidt, G.A., **Mann, M.E.**, Rind, D, Waple, A., Miller, R., Solar and Volcanic Forcing of Climate Change during the Maunder Minimum, AGU Spring meeting, Washington, DC, May 2002.
- Shindell, D., Schmidt, G., **Mann, M**., Rind, D., Waple, A., Long-term Solar Forcing of the Arctic Oscillation/North Atlantic Oscillation, AGU Fall meeting, San Francisco, CA, December, 2001.
- Druckenbrod, D.L., **Mann, M.E.**, Stahle, D.W., , Cleaveland, M.K., Therrell, M.D., Shugard, H.H., James Madison and a Shift in Precipitation Seasonality, AGU Fall meeting, San Francisco, CA, December, 2001.
- Cook, E.R., D'Arrigo, R.D., **Mann, M.E.**, A well-verified multiproxy reconstruction of the winter North Atlantic Oscillation index Since AD 1400, U.S CLIVAR Atlantic meeting, Boulder, CO, June 14, 2001
- Brigham-Grette, J., Rittennour, T.M., **Mann, M.E.**, Drainage history of glacial Lake Hitchcock and Paleoclimate Implications of Late Quaternary Sediments and Terraces in the Central Connecticut Valley, New England, GSA Northeastern Section, 36th Annual Meeting, Burlington, VT, March 12, 2001.
- Rutherford, C.M., **Mann, M.E.**, Schneider, T., Delworth, T., Stouffer, R., Climate Field Reconstruction Under Stationary and Non-Stationary Forcing, AGU Fall meeting, San Francisco, CA, December, 2000.
- Rittennour, T.M., Brigham-Grette, J., **Mann, M.E**., El Nino-like Climate Teleconnections in New England During the Late Pleistocene: Insights from a 4000-year Glacial Varve Chronology, AGU Fall meeting, San Francisco, CA, December, 1999.

- **Mann, M.E**., Variability in El Nino And the Global ENSO Phenomenon in Past Centuries, AGU Fall meeting, San Francisco, CA, December, 1999.
- Ammann, C.M., **Mann, M.E.**, Bradley, R.S., Explosive Volcanism and ENSO: Search for a Relationship in a Multi-century Global Climate Reconstruction, AGU Fall meeting, San Francisco, CA, December, 1999.
- Waple, A.M., **Mann, M.E**., Bradley, R.S., Proxy and model-based analysis of patterns of temperature associated with solar irradiance over the last several centuries, *IUGG* annual meeting, Birmingham, UK July, 1999.
- D'Arrigo, R., Cook, E., Cullen, H., **Mann, M.E**., Reconstructions of North Atlantic Oscillation Indices, *IUGG* annual meeting, Birmingham, UK, July, 1999.
- Folland, C.K., Allan, R.J., **Mann, M.E.**, Power, S.B., Patterns of large-scale climatic variability in the instrumental era, *IUGG* annual meeting, Birmingham, UK, July, 1999.
- **Mann, M.E**., Northern Hemisphere temperatures during the past millennium, *Annales Geophysicae, Supplement II*, EGS, 17, Den Haag, Netherlands, April 1999.
- Waple, A.M., **Mann, M.E**., Bradley, R.S., Proxy and Model-Based Analysis of Patterns of Temperature Associated with Solar Irradiance From 1650 to 1850, AGU Fall meeting, San Francisco, CA, December, 1998.
- Lall, U., Rajagopalan, B., **Mann, M.**, Cook, E., Explaining Upper Mississippi River Droughts and Wet Spells in Terms of Hemispheric Changes in Atmospheric Circulation, *GCIP* conference, St Louis, Mississippi, June, 1998.
- Jain, S., Lall, U., **Mann, M.**, Rajagopalan, B., Interannual to Secular Trends in Midwestern Precipitation: Insights on Greenhouse Gas and ENSO Forcing from a Coupled Ocean-Atmosphere Model, *GCIP* conference, St Louis, Mississippi, June, 1998.
- Jain, S., Lall, U., **Mann, M.E.**, Rajagopalan, B., Changes in the Midwestern U.S. Precipitation: Observations and Modeled Greenhouse Warming Scenarios, *7th International Meeting on Statistical Climatology*, Whistler, BC, May, 1998.
- Park, J, **Mann, M.E.**, ENSO Episodes and Shifts in Global Temperature: A Wavelet Correlation Approach, AGU Fall meeting, San Francisco, CA, December 1997.
- **Mann, M.E.**, Bradley, R.S., Hughes, M.K, Northern Hemisphere Temperature During the Past Half-Millenium: Implications for External Forcing and Natural Variability of the Climate, AGU Fall meeting, San Francisco, CA, December, 1997.
- **Mann, M.E.**, Multi-Proxy based reconstructions of large-scale surface temperature patterns during the past several centuries, AGU Spring meeting, Baltimore MD, May 1997.
- Jain, S., Lall, U., **Mann, M.E.**, Trends in N. Hemisphere Surface Temperature Gradients (Equator-to-Pole and Land-Ocean Contrast): Volcanic Effects and Secular Variations, AGU Fall meeting, San Francisco, CA, December 1996.
- **Mann, M.E.**, A comparison of Observed and Modeled Climate Variability on Interdecadal and Century Timescales, AGU Fall meeting, San Francisco, CA December 1996.
- **Mann, M.E.**, Bradley, R.S., The detection of spatiotemporal signals in long-term proxy climate data: prospects for improved climate model validation, *Workshop on High Resolution Climate Modeling*, Wengen, Switzerland, September 23-26, 1996.
- Jain, S., Lall, U., **Mann, M.E.**, Trends in century long records of N. hemisphere equator-to-pole temperature gradient and land-ocean temperature contrast, *GEWEX Second International Conference on Global Energy and Water Cycle*, Washington, D.C., June 1996.
- **Mann, M.E.**, Spatiotemporal Modes of Low-Frequency Climatic Variability: Observation vs. Simplified Coupled Ocean-Atmosphere Model Simulations, AGU Spring meeting, May, 1996.

- Lall, U., Rajagopalan, B., Moon, Y.I., **Mann, M.E.**, Forecasting nonlinear time series: locally weighted polynomials with local parameter choice and local error estimate, *Annales Geophysicae, Supplement II*, EGS, 14, Hamburg, Germany, April 1996.
- **Mann, M.E.**, Rajagopalan, B., Moon, Y.I., Lall, U., Forecasting multivariate climate timeseries: adaptive, space-time filtering and nonlinear prediction, *Annales Geophysicae, Supplement II*, EGS, 14, Hamburg, Germany, April 1996.
- **Mann, M.E.**, Park, J., Joint spatio-temporal modes of surface temperature and sea level pressure variability in the northern hemisphere during the last century, IUGG meeting, Boulder, CO, July 1995.
- **Mann, M.E.**, Bradley, R., Spatio-temporal patterns of interdecadal and century-scale climate oscillations during the last half millenium, IUGG meeting, Boulder, CO, July 1995.
- **Mann, M.E.**, Lees, J., Signal detection in climate time series: robust red-noise confidence level determination in multitaper spectral analysis, AGU Spring meeting, Baltimore MD, May 1995.
- Lall, U., Saltzman, B., **Mann, M.E.**, How does the Great Salt Lake "see" low frequency climate signals? *Annales Geophysicae, Supplement II*, EGS, 13, 1995.
- **Mann, M.E.**, Lall, U., Extremes of the Great Salt Lake and quasiperiodic modes of climate variability, *Annales Geophysicae, Supplement II*, EGS, 13, 1995.
- Park, J., **Mann, M.E.**, Lilly, J., Spatial Patterns of Historical Temperature Variability: Global Correlations using Spectral and Wavelet Techniques, *AAAS meeting*, Atlanta, GA,February, 1995.
- Koch, D., **Mann, M.E.**, Spatial and temporal variability of 7Be surface concentration, AGU Fall meeting, San Francisco, CA, December 1994.
- Bradley, R., **Mann, M.E.**, Park, J., A spatiotemporal analysis of ENSO variability based on globally distributed instrumental and proxy temperature data, AGU Fall meeting, San Francisco, CA, December, 1994.
- **Mann, M.E.**, Park, J., Bradley, R., Global modes of decadal-to-century scale climate variability: the application of evolutive SVD spectral analysis to globally distributed high resolution temperature proxy records, AGU Fall meeting, San Francisco, CA, December, 1994.
- **Mann, M.E.**, Lall, U., Low frequency climate variability and the Great Salt Lake, *Annual meeting of the Geological Society of America*, Abstracts with programs, Vol. 26, No. 7, p. 229, Seattle, WA, October 1994.
- Lall, U., **Mann, M.E.**, The Ups and Downs of the Great Salt Lake: Relation to Long term climatic variability, *Meeting of the Utah Academy of Arts and Sciences*, Salt Lake City, UT, 1994.
- Lall, U., **Mann, M.E.**, Low frequency climate variability: Inferences from the Great Salt Lake, AGU Fall Meeting, San Francisco, CA, December, 1993.
- Marshall, S., **Mann, M.E.**, Oglesby, R.J., Saltzman, Barry, A comparison of the CCM1-simulated climates for pre-industrial and present-day CO2 levels, AGU Fall meeting, San Francisco, CA, December, 1993.
- **Mann, M.E.**, Park, J., Spatial correlation of interdecadal temperature variations, AGU Fall meeting, San Francisco, CA, December 1992.
- Wille, L.T.. **Mann, M.E.**, Burmester, C.P., and de Fontaine, D., Oxygen Ordering in YBa2Cu3Oz, *Proceedings of the Materials Research Society*, 1988.