Michael F. Wehner

Publications

In Review:

Robert Lund, Thomas J. Fisher, Norou Diawara, Michael Wehner (2025) Multiple Changepoint Detection for Non-Gaussian Time Series. Submitted to the *Journal of Time Series Analysis*

Armando Sanchez, Federico Castillo, Jennifer Vanos, David Lopez-Carr, Michael Wehner (2025) The Combined Effect of Extreme Heat and COVID-19 on Agricultural Labor Supply in California Communities: A Machine Learning Approach Submitted to *American Journal of Agricultural Economics*

Kamoru Abiodun Lawal, Oluwatosin Motunrayo Akintomide, Eniola Olaniyan, Andrew Bowery, Sarah N Sparrow, Michael F Wehner, Dáithí A Stone (2024) Performance Evaluation of Weather@home2 Simulations over West African Region. Submitted to *Atmosphere*

Kevin T. Smiley, Ilan Noy, Michael F. Wehner, Christopher C. Sampson, Oliver E.J. Wing, KayLynn Larrison (2024) Climate change and federal aid disbursements after Hurricane Harvey: An extreme event attribution analysis. Submitted to Climatic Change

Michael F. Wehner (2024) Assessing the performance of solar radiation management geoengineering simulations. Submitted to *Frontiers in Climate*

Joyce Kimutai, Luke Harrington, Friederike Otto, Andrew King, Sabine Undorf, Rupert Stuart-Smith, Aglaé Jézéquel, Gerbrand Koren, Daithi Stone, Rosa Pietroiusti, Michael Wehner, Sarah Perkins, Anirudh Sridhar, Ted Shepherd, Gabriele Hegerl, Wim Thiery, Emmanuel Raju (2024) Navigating the complex relationship between attribution science and the Loss and Damage Fund, submitted to *Communications Earth & Environment*.

S. Undorf, A. Dimitrova, L. J. Harrington, G. C. Hegerl, A. Jézéquel, J. Kimutai, Y. T. E. Lo, M. Mengel, S. Perkins-Kirkpatrick, R. Pietroiusti, I. Pinto, A. Schurer, P. Scussolini, S. Sippel, D. Stone, R. Stuart-Smith, L. Gudmundsson, V. Huber, F. J. Colón-González, S. Dellicour, D. Erazo, E. Fischer, C. Gornott, E. Hawkins, K. Frieler, G. Koren, S. Lampe, D. Mitchell, L. Murken, A. Nkwasa, S. Seneviratne, M. Wehner, W. Thiery, Bridging Climate and Impact Attribution Workshop Participants, Approaches and challenges in attributing climate change impacts, submitted to Nature Reviews Earth & Environment

Xueke Li, Michael E. Mann, Michael F. Wehner, Shannon Christiansen (2024) Concurrent Extremes in August 2023: The Role of Planetary Wave Resonance. Submitted to Geophysical Review Letters.

Xueke Li, Michael E. Mann, Michael F. Wehner, Shannon Christiansen (2024) Increased frequency of planetary wave resonance events over the past half-century. Submitted to Science Advances

Mark D. Risser, Mohammed Ombadi, Michael F. Wehner (2024) Granger causal inference for climate change attribution. Environmental Research: Climate (in review).

David Miller, Patrick Young, Behdad Kiani, Donald Brooks, Michael Wehner (2023) Quantifying the Impact of Climate Change on Electric Grid Reliability Using Historical Weather Data Perturbed by Ensemble Averaged CMIP6 Data, submitted to Proceedings of 2024 IEEE Power & Energy Society General Meeting (PESGM)

Xue Li, Michael Wehner, David Judi, Robert Hetland (2024) The Influence of Climate Change on Flooding and Social Inequalities from Remnants of Hurricane Ida. In review *Communications Earth & Environment*.

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Mark Risser, Likun Zhang, Michael Wehner (2025) Data-driven upper bounds and event attribution for unprecedented heatwaves *Weather and Climate Extremes* 47, 100743 https://doi.org/10.1016/j.wace.2025.100743

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