



Call for Papers

It's Not Your Grandfather's Weather or Is It? Extreme Weather in the 21st Century

A Synopsis of Contemporary Topics, Observing and Information Systems, Communication Strategies, and Challenges Going Forward

2011 Quarterly Theme Issue 2

21 March - 21 June 2011

www.Earthzine.org is an informative scientific online journal dedicated to promoting the societal benefits of Earth Observations and the utilization of Earth information in planning and policy. Sponsored by the [IEEE](http://www.ieee.org) (Institute of Electrical and Electronic Engineers), Earthzine supports the [Group on Earth Observation](http://www.geos.org) in establishing the Global Earth Observation System of Systems. **Earthzine seeks to explore the application of scientific and technological research as well as policy and its implementation for the benefit of society.**

We invite you to submit an article and become part of a growing, professionally diverse community and global readership network working to build the Global Earth Observation System of Systems ([GEOSS](http://www.geos.org)).

www.Earthzine.org is soliciting articles of 800-3,000 words for its 2nd quarter theme issue (**21 March - 21 June 2011**) on **Extreme Weather in the 21st Century**, a theme that will look at aspects of weather extremes from multiple perspectives. This topic is quite timely as severe flooding, killer tornadoes, cyclones, and record heat waves have recently affected various regions of the globe.

Topics might include (but are not limited to):

- Current assessments, global/regional/local case studies, and analyses of extreme weather events
- Challenges and opportunities in relating extreme weather events to changing climate
- Advances in in-situ or remote sensing technologies for improving the diagnosis, nowcasting, and forecasting of extreme weather events
- Assimilation of emerging observational data sets into weather and climate models to resolve extreme weather events
- The role of weather, geographic, and/or other information systems in extreme weather research and applications
- Data collection, access, sharing, and stewardship



- Effective communication strategies for scholars, the general public, stakeholders, and policymakers
- Mitigation, adaptation, and intervention strategies
- Public perceptions and behavior relative to extreme weather observations and warnings
- Other gaps, challenges, and requirements in observing extreme weather

We welcome articles about programs, projects, organizations, examples of interdisciplinary and/or cross-regional research, latest discoveries, and unusual findings. We also publish opinion essays, book and art reviews. Submissions must be in English. Submit to Guest Editor Dr. J. Marshall Shepherd (marshgeo@gmail.com or marshgeo@uga.edu).

Please consult the [Writer's Guidelines](#) for further information.

Important dates: Queries to the editors may be sent at any time. Submissions of original articles, letters, opinions, book and art for review will be accepted until **June 7, 2011**.

Publication: All accepted contributions will be published on-line at www.earthzine.org in the second quarter of 2011 and will be freely accessible to the public.

Information: Earthzine website: <http://www.earthzine.org>
Writer's Guidelines: <http://www.earthzine.org/writers-guidelines>
GEO/GEOSS website: <http://www.earthobservations.org>

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