Both society and the AMS community have come to recognize the importance of water at various times and places as a stressed natural resource; at times as a threat to life, property, and livelihoods; but always as an essential component of sustainable and resilient communities.

Examples of recent water headlines include:

- extreme precipitation events across the country causing life threatening flash flooding;
- historical severe drought conditions in California and the Southwest;
- coastal flooding from extreme events like hurricanes and more regular, so-called “nuisance flooding” of coastal towns and cities;
- public health issues (e.g., harmful algal blooms) associated with water supplies in the Great Lakes and elsewhere; and
- international water scarcity/food shortage impacts to U.S. national security.

Demands for relevant, science based information continues to grow and it is clear to meet these information demands, the public, private, academic and NGO sectors will need to work closely together and with affected economic sectors as well as local, national and international government agencies.

Join this meeting as we explore the challenges and opportunities through individual presentations, panels and group discussion. Possible topics include the following:

- What are the motivating societal questions driving a need for better information to support decisions on both weather and climate time scales?
- What are the key challenges for the public, private, and academic partners in the weather–water–climate enterprise in addressing those questions?
- What is the current state of hydrologic sensing, models, and inundation mapping and what future plans exist to advance the understanding of the science behind improving precipitation forecasts (e.g., forecasting convection at various scales)?
- How well is water represented in climate model outlooks and how can improvements be made?
- How can we improve our ability to communicate scientific and technical information in ways that support public/private decision-making?
- What opportunities for innovative partnerships exist?

Based on these discussions and community feedback, we will identify near-term opportunities and long-term strategies to pursue as a Society and beyond the weather, water, and climate enterprise. The Board on Enterprise Communication and the Commission on the Weather, Water, and Climate Enterprise want to hear your ideas as planning for the 2016 Summer Community Meeting continues.

For additional information, please contact Doug Hilderbrand (e-mail: douglas.hilderbrand@noaa.gov). (6/16)
CALL FOR PAPERS

dealing with the energy complex, including observational and theoretical meteorology, modeling, forecasting, and applied studies.

The planned sessions will cover a breadth of topics; however abstracts in the following areas are particularly encouraged:

- observation and forecast requirements to support high penetration of renewable generation sources on a regional and national scale;
- climate data and modeling applied to long-term renewable energy resource development;
- understanding geographic variability and correlation of renewable fuel sources (e.g., wind, solar, hydro) on hourly, daily, monthly, seasonal, and annual time scales;
- strategies on the geographical distribution of renewable generation sources at a national scale;
- software applications linking weather to energy decision support;
- energy applications for weather/climate data;
- big data analytics providing decision support within the energy sector;
- remote sensing techniques for wind energy assessment and forecasting; and
- statistical and artificial intelligence/machine learning applications in the energy sector;

Special sessions are planned on IEA Task 36—Forecasting for Wind Energy (contact: Will Shaw; e-mail: will.shaw@pnnl.gov) and WFIP2 (contact: Melinda Marquis; e-mail melinda.marquis@noaa.gov). Participants may also address the changing dimensions of the traditional energy complex (e.g., electricity, natural gas, oil) as well as transformational technologies (e.g., wind, solar) in the rapidly growing renewable energy marketplace. The Eighth Conference on Weather, Climate, Water and the New Energy Economy promises to be an essential experience for those whose work intersects with the energy complex.

The conference values student participation. As we have done in the past, we will have awards for best student oral presentations and best student posters to encourage student participation.

The deadline for abstracts is 1 August 2016. Authors of accepted presentations will be notified via e-mail by late September 2016. All extended abstracts are to be submitted electronically and will be available on-line via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 10 MB) electronically by 27 February 2017. The $95 abstract fee includes the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation, which will be archived on the AMS website. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information or if you wish to propose a session topic for this conference, please contact the program chairpersons, Andy Clifton (e-mail: andrew.clifton@nrel.gov), Brian D’Agostino (e-mail: bdagostino@semprautilities.com), Larry Gloeckler (e-mail: larry.gloeckler@riskpulse.com), or Jennifer Newman (e-mail: jennifer.newman@nrel.gov). (2/16; r6/16)

ANNOUNCEMENT

Fifth Annual AMS Conference for Early Career Professionals, 22 January 2017, Seattle, Washington

The Fifth Annual AMS Conference for Early Career Professionals is organized by the AMS Board for Early Career Professionals and is sponsored by the American Meteorological Society. The Early Career Professionals Conference is scheduled for the Sunday prior to the Annual Meeting, 22 January 2017, in Seattle, Washington.

The conference comprises a mix of speakers, panelists, and group discussions. Several networking opportunities throughout the conference encourage communication with both other young professional attendees and invited early-, mid-, and late-career professionals involved in AMS. A special networking event will held early Sunday evening for only those that register for the conference.

Sessions will cover a variety of topics that are of interest to early career professionals in the atmospheric sciences. Interactive small group discussions, led by professionals in the field, will focus on a variety of career skills, issues, and choices that affect early career professionals. Attendees will have an opportunity to hear about how they can benefit from or be a part of AMS boards and committees and will be able to network with representatives within the AMS. A panel discussion featuring early- and mid-career meteorologists from the private, academic, government, and broadcast sectors will discuss early career experiences and offer advice on topics brought up by attendees. A joint session with the 16th Annual AMS Student Conference will focus on developing skills needed by both early career professionals and graduate students.

Following the conference on Sunday evening, attendees and all other AMS Annual Meeting participants are invited to attend the Seventh Annual AMS Reception for Early Career Professionals, which will be co-sponsored with the AMS Board of Private Sector Meteorologists.
CALL FOR PAPERS


The Fifth Symposium on the Weather, Water, and Climate Enterprise, sponsored by the American Meteorological Society and organized by the AMS Commission on Weather, Water, and Climate Enterprise, will be held 22–26 January 2017, as part of the 97th AMS Annual Meeting in Seattle, Washington. The theme for the 2017 AMS Annual Meeting is “Observations Lead the Way.” For the full description of the theme, please visit the AMS 2017 Annual Meeting webpage: http://annual.ametsoc.org/2017/. First consideration will be given to topics on high performance or next-generation green buildings, integrated design, economics of building green, sustainability management and governance, drivers of change, siting, materials, water, and waste. The symposium agenda will include three invited speakers, 10 oral presentations selected from this call for papers, four or five panelists, and any number of oral presentations. In addition, the afternoon coffee break and reception will take place at an offsite location and may include a tour of a LEED building (e.g., Bullitt Center).

As a contribution to the overall 2016 AMS Annual Meeting theme, the Fifth Symposium is organizing panel discussions on the following topics:

- the future of mobility in smart cities;
- why energy and water are connected challenges;
- the coming revolution in satellite data;
- enterprise opportunities in ecological prediction services;
- innovative partnerships across the weather, water and climate international enterprise;
- effective communication of weather and climate information;
- open environmental information systems (use case talks related to Big Data CRADA);
- exploring the public–private sector partnership value chain; and
- Nationwide Network of Networks follow-up to summer conference.

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Submit your abstract electronically via the web by 1 August 2016. An abstract fee of $95 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted) and includes the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation, which will be archived on the AMS website.

Authors of accepted presentations will be notified via e-mail by late September 2016. All extended abstracts are to be submitted electronically and will be available online. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 10 MB) electronically by 27 February 2017. All abstracts, extended abstracts and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Sheldon Drobot (sdrobot@harris.com). (6/16)
based on the quality of the poster and a submitted written paper. In addition, the symposium will award funds for student travel based on an application process that will be announced at a later date. Please contact the program chairpersons (contact information noted below) by 2 May 2016 if you would like to propose a session topic for this conference.

Submit your abstract electronically via the web by 1 August 2016. An abstract fee of $95 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted) and includes the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation, which will be archived on the AMS website.

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For additional information please contact the program chairpersons, Richard Clark (e-mail: richard.clark@millersville.edu) or Robert Henson (bhenson@nasw.org). (5/16; r6/16)