

CALL FOR PAPERS

CALL FOR PAPERS

Fourth WCRP International Conference on Reanalyses, 7–11 May 2012, Silver Spring, Maryland

Characterizing the uncertainty and quality of reanalyses is a task that reaches far beyond the community that develops them and into the network of interdisciplinary researchers, especially those who use the reanalyses products in their research and applications. The 4th WCRP International Conference on Reanalyses (ICR4) provides an exciting opportunity to review and discuss the major observations and modeling research associated with reanalyses, including uncertainties and the complexity of the Earth system.

Papers are invited for all topics of the conference: (1) status and plans; (2) validation and metrics; (3) data assimilation; (4) space and in situ observations; (5) application in support of climate, weather and environmental services; and (6) international collaborative efforts.

For conference information and to submit an abstract, see <http://icr4.org>. (2/12)

American Meteorological Society, 2013 Annual Meeting, 6–10 January 2013, Austin, Texas

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” The meteorological community can take enormous pride in 1) making prediction a fundamental part of its scientific and operational/service heritage, 2) developing and applying complex numerical models that now rely on a real-time, satellite-dominated global observing system; involve the atmosphere, ocean, land, and cryosphere components of the

Earth system; and are run on the world’s largest computers, and 3) forecasting extreme events, in some cases over a week in advance. The advancements over the past 60 years in the meteorological and related Earth system sciences, global observing systems, and computer capabilities, combined with the ability to provide decision support services through the public and private sectors, have been a crowning achievement for the entire enterprise related to weather, climate, and ocean predictions. We expect that this theme will serve as a catalyst for focusing the attention of the research and operational communities (and also those who are involved in accelerating the transition of research results into operations) on the exciting possibilities related to advancing predictive capabilities across many disciplines and applications. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government agencies and private/commercial sectors will serve as an important component for this annual meeting of the weather and climate enterprise, from predictive capabilities to decision and support services.

CALL FOR PAPERS

12th Annual AMS Student Conference: Expanding Weather and Climate Prediction—Taking Geosciences to the Next Level, 5–6 January 2013, Austin, Texas

Join us for the 12th Annual AMS Student Conference and Career Fair sponsored by the American Meteorological Society and organized by the AMS Student Conference Planning Committee, 5–6 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. A registration fee of \$25 has been set for this conference

and registration must be completed online. There will be no onsite registration and *you must register by 18 December 2012*.

The student conference is intended for junior and senior undergraduates and all graduate students, and will focus on interdisciplinary topics and wide-ranging opportunities in the atmospheric and related sciences. *Important eligibility requirement:* You must be an AMS member or student member in order to attend or present at the conference.

In addition to presentations and group discussions featuring both noted professionals and fellow students, we encourage students to submit papers about a wide range of topics. All accepted abstracts will be scheduled as a poster. Students should create a poster (reference the AMS “Poster Presentation” guidelines here: www.ametsoc.org/meet/speakersupport.pdf) that will be up for display during the 2nd Annual Student Conference Poster Contest on Sunday evening. Students are encouraged to stand by their posters and answer questions during the “formal poster-viewing hours,” which will be released at a later date.

Abstracts for this conference should cover a wide range of student interest and activities. Suggested topics include overviews of ongoing student research projects and/or student applications of emerging technologies. We expect to have plenty of space so you can anticipate your abstract to be accepted and receive significant visibility as a poster!

Sessions will include invited speakers from the private, academic, and government sectors. A career fair and networking evening is scheduled to provide a forum for students to personally interact with professionals who represent potential employers and graduate institutions.

Please submit your abstract electronically via the web by *1 October 2012* (refer to the AMS web page at www.ametsoc.org for instructions). There is no abstract fee for the student conference. When completing the submission form, please note payment by purchase order, and indicate “Student Conference” in the box marked “Purchase Order Number.” This will allow you to proceed with your submission without payment information. Authors of accepted presentations will be notified via e-mail in late-October.

For additional information please contact the program chairpersons Nicole Grams (e-mail: nicole.grams@ou.edu) and Owen Shieh (e-mail: oshieh@hawaii.edu). (2/12)

CALL FOR PAPERS

Robert A. Duce Symposium, 8 January 2013, Austin, Texas

The named symposium for Dr. Robert A. Duce, sponsored by the American Meteorological Society and the AMS Committee on Atmospheric Chemistry will be held on 8 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predic-

tions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

The theme for the 2013 Robert A. Duce named symposium is “Air-Sea Exchange: Impacts on the Atmosphere and Ocean.” It will honor his distinguished contributions in research related to chemical cycles of pollutant and natural substances in the global atmosphere and, in

particular, atmospheric transport of chemicals from the continents; their deposition to the ocean and impact on marine biogeochemistry, atmospheric chemistry, and climate, with studies in Antarctica, the Arctic, and all the world’s ocean; and his leadership of the atmospheric/oceanic science community. The symposium will present an integrated view of atmospheric and marine chemistry, air-sea interaction, global biogeochemical cycles, and climate change. Papers are solicited on all aspects of air-sea exchange. Graduate and undergraduate students are strongly encouraged to submit an abstract describing their research in this area. Best student oral presentations and poster papers will be selected at the meeting and recognized by the Atmospheric Chemistry Committee soon after the meeting.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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). The 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.

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended ab-

DISPLAY YOURS TUFF!

Opportunities Available to Exhibit at AMS Meetings

The exhibition program of AMS meetings provides an opportunity for professionals in the atmospheric sciences, oceanography, hydrology, and related environmental sciences to learn more about state-of-the-art developments, equipment, products, services, and research in their respective fields. In addition to an annual meeting, the AMS offers a number of niche marketing opportunities where you can showcase the products and services of your firm, institution, or agency. To learn more about exhibiting at an AMS meeting, visit the meetings page on the AMS website or e-mail: exhibitsmanager@ametsoc.org.

stracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website, and those who have chosen submit extended abstracts (up to 3 MB) must submit them electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

All registrants for the AMS Annual Meeting are invited to attend the Duce Symposium. A banquet dinner to honor Robert A. Duce will be held on 8 January. The Duce banquet ticket is not included in the conference registration package and must be purchased separately. We encourage you to purchase tickets when preregistering since only a limited number will be available onsite.

For additional information please contact the program chairperson, Peter Liss, School Environmental Sciences, University of East Anglia, Norwich, NR4 7TJ, United Kingdom (e-mail: p.liss@uea.ac.uk) or the program co-chair Renyi Zhang, Dept. of Atmospheric Sciences, Texas A&M University, Campus mail stop # 3150, College Station, TX 77843 (tel.: 979-845-7656; e-mail: renyi-zhang@tamu.edu). (2/12)

CALL FOR PAPERS

29th Conference on Environmental Information Processing Technologies (formerly known as Interactive Information Processing Technologies, IIPS), **6–10 January 2013, Austin, Texas**

The 29th Conference on Environmental Information Processing Technologies (EIPT), sponsored by the American Meteorological Society, and organized by the AMS Board on Environmental Information Processing Technologies, will be held 6–10 January 2013, as part of the 93rd

AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following this theme, the 29th EIPT is soliciting papers that demonstrate successes and advances in interactive computing tools, technologies and observing systems, data management, and communication that enhance forecasts’ capabilities and reliability to support decision support systems at varied scales. Furthermore, papers addressing issues related to all forms of information processing technologies in the environmental sciences, including research institu-

tions, private sector, government, and education are solicited.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Nazila Merati (e-mail: lalala@uw.edu). (2/12)

CALL FOR PAPERS

27th Conference on Hydrology, 6–10 January 2013, Austin, Texas

The 27th Conference on Hydrology, sponsored by the American Meteorological Society, and organized by the AMS Committee on Hydrology, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

Papers for this conference are solicited on advances in hydrology

and hydrometeorology, both from a scientific and operational perspective. Topics of interest include hydrologic analysis and prediction and related research and development in weather and climate analysis and forecasting systems; weather and climate down-scaling for follow-on applications in hydrology, water resources, and other sectors; trend and variability analysis in hydrology; application of forecasts for decision making; drought, soil moisture, and evaporation assessment and prediction; remote sensing applications in hydrology; and data assimilation techniques and systems. Also of interest are hydrological studies and applications that otherwise connect to the general theme of the 93rd AMS Annual Meeting: “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.”

The Hydrology Committee will host a student paper competition with awards for exemplary student poster and oral presentations.

The \$95 abstract fee includes the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation(s), which will be archived on the AMS website.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). An abstract fee (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*.

All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons: Andy Wood (e-mail: andy.wood@noaa.gov) and Rolf Reichle (e-mail: rolf.reichle@nasa.gov). (2/12)

CALL FOR PAPERS

25th Conference on Climate Variability and Change, 6–10 January 2013, Austin, Texas

The 25th Conference on Climate Variability and Change, sponsored by the American Meteorological Society, and organized by the AMS Committee on Climate Variability and Change, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/

commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following this theme, the 25th Conference on Climate Variability and Change is soliciting papers on the following topics in addition to those on general aspects of climate variability and change:

- 1) climate prediction from subseasonal to centennial timescales,
- 2) application of climate prediction,
- 3) changes in extremes (drought, floods, heat waves) under climate change,
- 4) arctic and high-latitude climate variability,
- 5) tropical climate variability,
- 6) teleconnections and climate modes,
- 7) interaction among different climate components,
- 8) detection and attribution of climate change, and
- 9) model enhancements for improving predictions.

Individuals who are interested in organizing certain special or joint sessions under the Conference on Climate Variability and Change should contact the chairpersons as early as possible.

Additionally the Committee on Climate Variability and Change will conduct a student poster competition for students who enter when they submit their abstracts. Students must be the first author of the poster and presenting their own, original work.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Hai Lin (e-mail: hai.lin@ec.gc.ca) and Aiguo Dai (e-mail: adai@ucar.edu). (2/12)

CALL FOR PAPERS

22nd Symposium on Education, 6–10 January 2013, Austin, Texas

The 22nd Symposium on Education, sponsored by the American Meteorological Society, and organized by the AMS Commission on Education and Human Resources, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

Papers for the education symposium are solicited on all aspects of educational outreach in the atmospheric, oceanic, and hydrologic sciences, including topics on K–12 and informal, university, and professional education. Joint sessions will be announced at a later date. Preference

will be given to papers that connect to the theme of the annual meeting, “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projects.”

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. Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Rajul Pandya, UCAR/Spark, P.O. Box 3000, Boulder, CO 80307-3000 (tel: 303-497-2650; fax: 303-497-8629; e-mail: pandya@ucar.edu) or Donna Charlevoix, UCAR/GLOBE, 3375 Mitchell Ln., Boulder, CO 80307 (tel: 303-497-2647; fax 303-497-2638; e-mail: charlevo@globe.gov). (2/12)

CALL FOR PAPERS

20th Conference on Applied Climatology, 6–10 January 2013, Austin, Texas

The 20th Conference on Applied Climatology, sponsored by the Ameri-

can Meteorological Society, and organized by the AMS Committee on Applied Climatology, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following this theme, the 20th Conference on Applied Climatology is soliciting papers that address the prediction needs of climate information users and decision makers, including advances in prediction capabilities and how users incorporate climate information and climate predictions. Papers that address the

communication of climate outlooks to various user and citizen groups are also encouraged.

As always, papers on traditional topics in applied climatology also are sought, including, but not limited to, data quality, climate datasets, links between climate and weather, and applied climate studies. Papers for this conference are solicited on themes including:

- sectoral-based science and adaptation (including ecosystems, natural resources, agriculture, energy, coastal, and human systems),
- effective climate services (including assessment of science, product, and service needs; assessment of impacts; and communication of climate science),
- drought monitoring, prediction, and impacts

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Barbara Mayes Boustead, National Weather Service Omaha/Valley NE (e-mail: barbara.mayes@noaa.gov); and Steven Quiring, Texas A&M University (e-mail: squiring@tamu.edu). (2/12)

CALL FOR PAPERS

17th Conference on Integrated Observing and Assimilation Systems for Atmosphere, Oceans, and Land Surface (IOAS-AOLS), 6–10 January 2013, Austin, Texas

The 17th Conference on Integrated Observing and Assimilation Systems for Atmosphere, Oceans, and Land Surface (IOAS-AOLS), sponsored by the American Meteorological Society, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (<http://annual.ametsoc.org/2013/>) in late-September 2012.

The IOAS-AOLS Symposium recognizes that observing the atmosphere, ocean, and land surface is crucial for understanding the interactions among all three and that assimilation of the observed information into models is crucial for weather and climate monitoring and forecasting. The symposium cuts across several allied disciplines and encourages interaction and collaboration among specialists in each. Papers emphasizing integrating aspects with the general meeting theme of advancing prediction will be given preference. For example: What purposes does a particular observing system serve uniquely to improve prediction? What other systems complement its capabilities in this context? How does an observing system or systems advance environmental understanding, monitoring, and prediction? What assimilation methods ensure that

the observational data will be fully exploited in numerical prediction models? What can assimilation and prediction systems tell us about the impact of current and future observing systems on forecast accuracy?

Sessions will be organized around the following topics:

- 1) Atmospheric observations, in situ and remote, including from satellites: Advantages and shortcomings compared with other observing systems, and their influences on global and regional numerical weather prediction
- 2) Assimilation of observations (ocean, atmosphere, and land surface) into models: Assimilation methods; minimization techniques; forward models and their adjoints; incorporation of constraints; error statistics
- 3) Experiments involving observations, real or hypothetical: Data impact tests (sensitivity of forecasts to a particular source of observations); observing system simulation experiments (OSSEs)
- 4) Application of the above technologies and concepts for hurricane prediction
- 5) Ocean observations: What do ocean observations tell us about the ocean environment and how do they contribute to its prediction?
- 6) New uses of observations by operational forecasters
- 7) Field experiments: Observational results from past field experiments; potential relevance of the field observations to operational prediction

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). An abstract fee of \$95 (payable by credit card or purchase order) is charged at the time of sub-

mission (refundable only if abstract is not accepted).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by 6 February 2013. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Robert Atlas, NOAA Atlantic Oceanographic and Meteorological Laboratory, 4301 Rickenbacker Causeway, Miami, FL 33149 (tel: 305-361-4300; e-mail: Robert.atlas@noaa.gov) or Prof. Sharanya Majumdar, RSMAS Division of Meteorology and Physical Oceanography, University of Miami, 4300 Rickenbacker Causeway, Miami, FL 33149 (tel: 305-421-4779; e-mail: smajumdar@rsmas.miami.edu). (2/12)

CALL FOR PAPERS

16th Conference on Aviation, Range, and Aerospace Meteorology (ARAM), 6–10 January 2013, Austin, Texas

The 16th ARAM Conference is sponsored by the American Meteorological Society (AMS) and is being organized by the AMS Committee on ARAM. The conference will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The 16th ARAM Conference will showcase significant scientific initiatives, advances, and accomplishments from all areas of aviation, range, and

aerospace meteorology. Along the overarching theme for the 93rd AMS Annual Meeting, “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections”, the ARAM Conference will emphasize contributions that demonstrate broader benefits to society. Papers are sought on all aspects of observation and analysis of the atmospheric environment and applications to forecasting, communication, and operational planning or use of aviation, range, and aerospace systems. Contributions that highlight weather impacts and quantify benefits of enhanced weather prediction capabilities to user applications are particularly encouraged. This conference is soliciting contributions from both the weather information providers and the consumers of such information to facilitate stimulating discussions that foster a better understanding of the user needs and weather prediction capabilities and limitations.

Abstracts may be submitted under the following broad topics:

- Analysis or modeling of the effects of atmospheric conditions on aviation, range, and aerospace operations, flight and mission planning, and accident mitigation
- Analysis or modeling of the impacts of aviation, range, and aerospace operations on the environment
- Observing systems and measurements of atmospheric conditions that affect aviation, range, and aerospace operations, flight and mission planning
- Observing systems and measurements of environmental impacts resulting from aviation, range, and aerospace operations
- Enhanced predictions of atmospheric conditions that affect aviation, range, and aerospace operations, flight and mission planning
- Enhanced predictions of the environmental impacts resulting from aviation, range, and aerospace operations
- Integration of observed and predicted atmospheric conditions into decision support tools for current or future use in aviation, range, and aerospace operations, and flight and mission planning, that will increase safety and efficiency while also reduce environmental impacts
- Quantification of benefits based on using decision support tools that incorporate atmospheric conditions and environmental impacts
- Programmatic, policy and regulatory aspects as they relate to enhancing the safety and efficiency of aviation, range, and aerospace operations while also aiming to reduce environmental impacts

The ARAM Committee is proud to continue awarding a Best Student Paper prize. This award recognizes outstanding student contributions based on an evaluation of both the submitted written paper and corresponding oral or poster presentation. Contenders for the award will have to be enrolled at a university (either at the undergraduate or graduate level), be the lead-author, and personally make the presentation of their work. Students who wish to be considered for this prize should indicate that when submitting their abstract. Previous winners of this prize are no longer eligible. Please encourage your student colleagues to submit a contribution to this opportunity of getting recognized for their important work.

Please submit your abstract electronically via the web by 1 August 2012 (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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), which covers the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation on the AMS website. Authors of accepted presentations will be notified (via e-mail) by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by 6 February 2013. All abstracts, extended abstracts, and presentations will be available on the AMS website.

For additional information please contact the ARAM conference co-chairpersons: Matthias Steiner, NCAR Research Applications Laboratory (e-mail: msteiner@ucar.edu; tel.: 303-497-2720); or Dave Pace, HQ FAA Aviation Weather Office (e-mail: David.Pace@faa.gov; tel.: 202-385-7254). (2/12)

CALL FOR PAPERS

15th Conference on Atmospheric Chemistry, 6–10 January 2013, Austin, Texas

The 15th Conference on Atmospheric Chemistry, sponsored by the American Meteorological Society and organized by the AMS Committee on Atmospheric Chemistry, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the

past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Papers are solicited on all aspects of atmospheric chemistry and air quality, including field and laboratory measurements, theoretical studies, and multipollutant and multidimensional modeling from urban to global scales for regular sessions. We are particularly interested in hosting special field study results and results aimed at urban megacity impacts upon atmospheric chemistry and air quality. The conference will include invited and contributed oral and poster sessions. Sessions will be organized for the following topics:

- Field and modeling studies from the TEXAQS 2009 SHARP, the VAMOS Ocean–Cloud–Atmospheric–Land Study (VOCALS), and the California Nexus (CalNex) 2010
- Effects of urban areas upon atmospheric chemistry and air quality

- Field, laboratory, and modeling studies of air quality
- Developments and applications of the integrated meteorology and chemistry models
- Effects of ship emissions on air quality and meteorology
- Air quality and climate change
- Air quality forecasting
- Data assimilation for air quality simulation and forecast
- Chemical data assimilation for atmospheric chemistry
- Air pollution in megacities in the world
- Effects of meteorology on air quality
- The meteorology and chemistry modeling in support of the State Implementation Plan
- The use of surface and remote sensing measurements for air quality model evaluation
- Polar atmospheric chemistry
- Agricultural air quality
- Lightning, atmospheric chemistry, and air quality
- Air–sea interactions and their impact on coastal air quality
- Biogeochemical cycles
- Asian air pollution and export
- Clean fuel/energy and air quality

Depending on the number of abstracts submitted, special sessions will be organized on some of the topics listed above. If you are interested in organizing some special sessions, please feel free to contact the conference co-chairs (see their contact information below). Graduate and undergraduate students are highly encouraged to submit an abstract describing your research. Best student oral presentations and poster papers will be selected at the meeting and awarded by the Atmospheric Chemistry Committee soon after the meeting.

Graduate and undergraduate students are highly encouraged to submit an abstract describing your research. Best student oral presentations and

poster papers will be selected at the meeting and awarded by the Atmospheric Chemistry Committee soon after the meeting.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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). The 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.

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Renyi Zhang, Dept. of Atmospheric Sciences, Texas A&M University, Campus mail stop # 3150, College Station, TX 77843 (tel.: 979-845-7656; e-mail: renyi-zhang@tamu.edu). (2/12)

CALL FOR PAPERS

11th Conference on Artificial and Computational Intelligence and its Applications to the Environmental Sciences, 6–10 January 2013, Austin, Texas

The 11th Conference on Artificial Intelligence (AI) and its Applications to the Environmental Sciences, sponsored by the American Meteorological Society and organized by the

AMS Committee on AI and its Applications to Environmental Science, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

Our annual conference brings together AI researchers and environmental scientists with the goal of increasing the synergy between the two. We aim to increase the understanding and use of AI techniques in the environmental sciences and to demonstrate the wide range of open problems in the environmental sciences. AI encompasses a broad field of computational intelligence disciplines including data mining, machine learning, statistical learning, self-organizing systems, evolutionary learning, and expert systems.

This year's AMS annual theme is "Taking Predictions to the Next Level: Expanding Beyond Today's Weather and Climate Forecasts and Projections." We expect to have a number of joint sessions in line with the theme.

In addition to the regular paper sessions, we will hold the sixth annual forecasting contest, which may include a sponsored cash prize. Details and instructions will be available at the committee website (<http://ai.metr.ou.edu/>) by July 2012, including links to the contest dataset. Individuals or teams are invited to train the technique of their choice to generate predictions for an independent test dataset.

In addition to the joint sessions, the AI conference will hold general sessions for papers on the following topics.

- Applications of data mining/knowledge discovery and improved understanding of large environmental science datasets

- Applications of AI in numerical weather prediction
- Applications of AI in weather product evaluation (e.g., via expert system models of decision processes or agent-based models of impacts)
- Applications of AI to decision support system development
- Applications of AI to environmental science problems
- Applications of AI to probabilistic predictions, uncertainty estimates, or risk analysis
- Exposition of new or existing AI methods relevant to the environmental sciences

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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). 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.

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Amy McGovern (e-mail: amcgovern@ou.edu). (2/12)

CALL FOR PAPERS

11th Symposium on the Coastal Environment, 6–10 January 2013, Austin, Texas

The 11th Symposium on the Coastal Environment, sponsored by the American Meteorological Society and organized by the AMS Committee on the Coastal Environment, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following this theme, the 11th Symposium on the Coastal Environ-

ment is soliciting papers on advances in predicting coastal conditions, encompassing meteorology, oceanography, and hydrology. One of the goals of this symposium will be to publicize emerging operational forecast system capabilities and to stimulate interaction between users and providers. We encourage topics on global, regional, and coastal forecast systems and on coupled of atmospheric, oceanic, hydrologic, and ecological capabilities. For example, topics could cover storm and inundation (surge/flooding) events, as well as ecological conditions such as water quality, hypoxia, and harmful algal blooms. We encourage papers addressing the building and testing of the capacity for long-term projections in coastal environments using the regional scale to integrated Earth system models. We also would emphasize the development of tools for assessing uncertainty estimates of the predictions and the provision of physical and ecological decision assistance, tools, and applications. We encourage participation from IOOS Regional Associations and federal operational centers.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended

abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Frank Aikman (e-mail: frank.aikman@noaa.gov) and Hyodae Seo (e-mail: hseo@whoi.edu). (2/12)

CALL FOR PAPERS

11th History Symposium, 6–10 January 2013, Austin, Texas

The 11th History Symposium, sponsored by the American Meteorological Society and organized by the AMS History Committee, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” In keeping with this year’s overarching AMS theme, the History Committee solicits papers that address the historical development and implications of weather and climate forecasts. Papers addressing historical aspects of the development and application of numerical models involving the Earth system are also strongly encouraged. Papers may be broadly conceived, in any time period or cultural context. The History Committee promotes discourse between atmospheric scientists, historians of science, and science librarians and archivists.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact Jean Phillips, History Committee Chair, Space Science and Engineering Center, University of Wisconsin—Madison, 1225 W. Dayton Street, Madison, WI 53706 (e-mail: jean.phillips@ssec.wisc.edu). (2/12)

ANNOUNCEMENT

10th Conference on Space Weather, 6–10 January 2013, Austin, Texas

The 10th Conference on Space Weather, sponsored by the American Meteorological Society and organized by the AMS Committee on Space Weather, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Fore-

casts and Projections.” This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting, along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following this theme, the Conference on Space Weather will solicit papers on advances in predicting space weather and providing space weather decision support, tools, and applications. Session topics will be described in a forthcoming call for papers.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*.

All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the chairperson, Bob McCoy (e-mail: rpmccoy@alaska.edu) or Gene Fisher (e-mail: gene.fisher@noaa.gov). (2/12)

CALL FOR PAPERS

Ninth Annual Symposium on Future Operational Environmental Satellite Systems, 6–10 January 2013, Austin, Texas

The Ninth Annual Symposium on Future Operational Environmental Satellite Systems, sponsored by the American Meteorological Society and organized by the Joint Polar Satellite System (JPSS) and the Geostationary Operational Environmental Satellite R-Series (GOES-R) Symposium Committee, will be held on 6–10 January 2013 in conjunction with of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the

increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

The symposium will consist of oral and poster presentations with emphasis on how NPP, JPSS, GOES-R, and other new generation operational environmental satellite systems will enhance our nation's ability to observe, predict, and communicate weather and climate data at a new level of fidelity and timeliness. The symposium will address capabilities of these new generation satellite systems to improve weather, climate, and other environmental data products, enhance user application and services, and blend and fuse satellite data from multiple sources.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to

3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact one of the co-chairs of the JPSS and GOES-R Symposium Committee: Gary McWilliams, Goddard Space Flight Center, JPSS Program Office, 8800 Greenbelt Road, Code 474, BL 40, Room S777, Greenbelt, MD 20771 (tel: 240-684-0597; e-mail: gary.mcwilliams@noaa.gov); John Furgerson, Goddard Space Flight Center, JPSS Program Office, Greenbelt Road, Code 470.4, BL 40, Room S584, Greenbelt, MD 20771 (tel: 240-684-0966; e-mail: john.furgerson@noaa.gov); James Gurka, Goddard Space Flight Center, GOES-R Program Office, Code 417, Bldg 6, Greenbelt, MD 20771 (tel.: 301-286-1364; e-mail: james.j.gurka@nasa.gov); Timothy J. Schmit, NOAA/NESDIS/STAR, 1225 W. Dayton Street, Room 211, Madison, WI 53706-1612 (tel.: 608-263-0291; e-mail: tim.j.schmit@noaa.gov); or Michael Jamilkowski, Raytheon JPSS CGS Customer Liaison, JPSS Program Office, 8800 Greenbelt Road, Code 474, BL40, Room S767, Greenbelt, MD 20771 (tel: 240-684-0791; e-mail: mljamilkowski@raytheon.com). (2/12)

CALL FOR PAPERS

Eight Symposium on Policy and Socio-Economic Research, 6–10 January 2013, Austin, Texas

The Eighth Symposium on Policy and Socio-Economic Research, sponsored by the American Meteorological Society and organized by the AMS Board on Societal Impacts, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The AMS Symposium on Policy and Socio-Economic Research provides a forum for scholars to (i) share their policy and socio-economic research results and report on recent progress to other scholars in this field, (ii) converse with scientists about these results, and (iii) dialogue and engage with policy makers, practitioners, and federal agency officials in this area. This symposium therefore allows for better coordination, iteration, and direction of the field, as well as an assessment of the body of knowledge designed to inform existing decision-making processes.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following this theme, the Eighth Symposium on Policy and Socio-Economic Research is soliciting papers within the following subthemes:

- **Place-Based Understanding of Weather and Climate:** Soliciting abstracts on local understandings of weather and climate phenomena and associated responses to hazards, framings of risk, behavioral geography and environmental perception, and more
- **Communicating Uncertainty:** Soliciting abstracts to explore and discuss the communication of forecast uncertainty and risk, including discussions of the role of and access to media in shaping perceptions, understanding, and responses to weather and climate phenomena of all scales; innovative methods for communicating uncertainty, including verbal, graphical, mapped, and multimedia depictions; and more
- **Economic Value of Improved Forecast Information:** Soliciting abstracts on the diverse array of forecast domains and the economics thereof, from short-range weather to long-range climate forecasts, and innovative decision-support services based on emerging forecast technologies
- **Human Factors in Forecasting:** Soliciting abstracts that discuss the forecasting process and anticipated or documented learning styles, behaviors, warning decision making, time pressures, opportunities, and challenges relating to emerging forecasting technologies
- **Policy and Socio-Economic Research Methods and their Applications:** Soliciting abstracts that highlight methodological techniques from the social sciences used to address societal problems
- **Emerging Policy and Socioeconomic Issues and Challenges:** Soliciting abstracts on all new areas of research not covered in the other categories

The \$95 abstract fee includes the submission of your abstract, the post-

ing of your extended abstract, and the uploading and recording of your presentation, which will be archived on the AMS website.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Randy A. Pepler (tel: 405-325-6667; e-mail: rpepler@ou.edu) and Kimberly E. Klockow (e-mail: kklockow@ou.edu). (2/12)

CALL FOR PAPERS

Sixth Conference on the Meteorological Applications of Lightning Data, 6–10 January 2013, Austin, Texas

The Sixth Conference on the Meteorological Applications of Lightning Data, sponsored by the American Meteorological Society and organized by the AMS Committee on Atmospheric Electricity, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual) in late-September 2012.

The 2013 AMS Annual Meeting is being organized around the broad theme of “Taking Predictions to the Next Level.”

Papers for the 6th Conference on the Meteorological Applications of Lightning Data are solicited for topics that address the annual meeting theme of advancing predictive skill and expanding predictive capabilities. These include 1) the utility of lightning data in operational warning and decision-making processes, 2) lightning warning and prediction using observations and models, and 3) benefits of assimilating lightning data into numerical models.

Other solicited session topics include 4) lightning in tropical cyclones, 5) recent advances in lightning technology and transfer of that technology from research to operations, 6) lightning safety and protection, 7) lightning climatology and the global electric circuit, and 8) general applications of atmospheric electricity and lightning data.

A new solicited session for this conference will be 9) scientific applications of lightning photography and videography. Another session will cover 10) understanding lightning’s role in atmospheric chemistry, including initial results from the Deep Convective Clouds and Chemistry (DC3) project. DC3 will occur in early summer 2012, and will study the impacts of convection and thunderstorms on the chemistry of the upper troposphere.

Awards will be given for the best talk and the best poster presented by student first authors at the lightning conference. Registrants should indicate their eligibility for student paper awards when submitting their abstracts.

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. Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). The \$95 fee (payable by credit card or purchase order) is charged at the time of abstract submission (refundable only if abstract is not accepted).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson: Timothy J. Lang, Department of Atmospheric Science, Colorado State University, Fort Collins, CO 80523 (tel.: 970-430-5264; e-mail: tlang@atmos.colostate.edu). You may also contact the program co-chairs: Kristin Kuhlman (e-mail: kristin.kuhlman@gmail.com) and Ted Mansell (e-mail: ted.mansell@noaa.gov). (2/12)

CALL FOR PAPERS

Fifth Symposium on Aerosol–Cloud–Climate Interactions, 6–10 January 2013, Austin, Texas

The Fifth Symposium on Aerosol–Cloud–Climate Interactions, sponsored by the American Meteorological Society and organized by the AMS Committee on Atmospheric Chemistry, will be held during 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

The 2007 Intergovernmental Panel on Climate Change assessment report highlights the scientific and societal importance for improved understanding on the aerosol–cloud–climate interactions to better assess the linkages between anthropogenic activities and climate. The symposium will bring together experts in atmospheric chemistry, aerosols, radiation, clouds, and climate to exchange ideas on the subject of aerosol–cloud–climate interactions. The symposium will include invited and contributed oral and poster sessions. It will provide a forum to review current research status on this subject, identify research needs, define research priorities and new research approaches, and fa-

cilitate dialogue among atmospheric chemists, physicists, and meteorologists to tackle research challenges in aerosol–cloud–climate interactions.

Papers are solicited in all aspects relevant to this topic including

- Experimental and field studies on aerosol–cloud interactions
- Modeling studies on aerosol–cloud interactions
- Aerosol and cloud properties
- Aerosol microphysics and chemistry
- Cloud microphysics and chemistry
- Cloud condensation nuclei
- Aerosol direct and indirect radiative forcings
- The impacts of cloud–aerosol interactions on precipitation
- The impacts of secondary organic aerosols (SOA) on climate
- The impacts of black carbon on climate
- Other potential climatic effects of atmospheric aerosols
- Experimental and modeling studies of new particle formation and growth
- Gas-to-particle conversion processes

Graduate and undergraduate students are highly encouraged to submit an abstract describing your research. Best student oral presentations and poster papers will be selected at the meeting and awarded by the Atmospheric Chemistry Committee soon after the meeting.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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). The 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.

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Renyi Zhang, Dept. of Atmospheric Sciences, Texas A&M University, Campus mail stop # 3150, College Station, TX 77843 (tel.: 979-845-7656.; e-mail: renyi-zhang@tamu.edu). (2/12)

CALL FOR PAPERS

Fourth Conference on Environment and Health, 6–10 January 2013, Austin, Texas

The Fourth Conference on Environment and Health, sponsored by the American Meteorological Society and organized by the AMS Board on Environment and Health, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex nu-

merical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

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). The 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. Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost. Graduate and undergraduate students are highly encouraged to submit an abstract describing your research.

For additional information please contact the program chairperson, Wendy Marie Thomas, AMS Policy Program staff on environment and health Issues (e-mail: wthomas@ametsoc.org). (2/12)

CALL FOR PAPERS

Fourth Conference on Weather, Climate, and the New Energy Economy, 6–10 January 2013, Austin, Texas

The Fourth Conference on Weather, Climate, and the New Energy Economy, sponsored by the American Meteorological Society and organized by the AMS Committee on Energy and Subcommittee on Renewable Energy, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The AMS Energy Committee invites participation from researchers and practitioners who are experienced in and/or are studying the linkages between weather, climate, and the energy complex. Participation may range from practitioner presentations (non-academic) to submission of academic papers and published research. Papers and posters are invited on all subjects dealing with the energy complex, including observational and theoretical meteorology, modeling, forecasting, and applied studies. Planned session themes include (a) Dollars and Cents: Weather for Energy Markets; (b) Weather Fundamentals for Energy Planning with a focus on Data and User Groups; (c) Weather and Climate Applications for Energy Decision Support; (d) Energy Supply/Demand Fundamentals focused on Short-Range Forecasting; (e) Energy Supply/Demand Fundamentals focused on Medium/Long Range Forecasting and Climate Assessments; (f) Renewable Energy

Applications; (g) Policy Issues for the New Energy Economy and (f) Special Topics in Weather, Climate, and the New Energy Economy.

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

- High-density weather-observing networks utilized in wind/solar electric generation
- Short-range forecast modeling for wind/solar electric generation
- Medium-range, subseasonal- and seasonal-scale forecast techniques and modeling for energy demand
- Climate data and modeling applied to long-term renewable energy resource development
- Risk management financial instruments linking weather to energy planning
- Software applications linking weather to energy decision support
- Hurricane forecasting as linked to Gulf of Mexico energy production
- Energy applications for weather/climate data
- New technologies for the production of renewable energy
- Energy user experiences with weather/climate data
- Educating the next generation of energy meteorologists

Participants may also address the changing dimensions of the traditional energy complex (e.g., electricity, natural gas, and oil) as well as transformational technologies in the rapidly growing renewable energy marketplace. The Fourth Conference on Weather, Climate, and the New Energy Economy promises to be an essential experience for those whose work intersects with the energy complex!

The \$95 abstract fee includes the submission of your abstract, the post-

ing of your extended abstract, and the uploading and recording of your presentation, which will be archived on the AMS website. We will no longer be producing a CD-ROM, allowing us to extend the deadline date for extended abstracts.

The deadline for abstracts is *1 August 2012*. Authors of accepted presentations will be notified via e-mail by late-September. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, Stephen Bennett (e-mail: stephen.bennett@earthrisktech.com), Heidi Centola (e-mail: hcentola@earthnetworks.com), or Jerry Crecenti (e-mail: Jerry.Crescenti@iberdrolaren.com). (2/12)

CALL FOR PAPERS

Third Symposium on Advances in Modeling and Analysis Using Python, 6–10 January 2013, Austin, Texas

The Third Symposium on Advances in Modeling and Analysis Using Python, sponsored by the American Meteorological Society, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological com-

munity has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

The application of object-oriented programming and other advances in computer science to the atmospheric and oceanic sciences has in turn led to advances in modeling and analysis tools and methods. This symposium focuses on applications of the open-source language Python and seeks to disseminate advances using Python in the atmospheric and oceanic sciences, as well as grow the earth sciences Python community. Papers describing Python work in applications, methodologies, and package development in all areas of meteorology, climatology, oceanography, and space sciences are welcome, including (but not limited to) modeling, time series analysis, air quality, satellite data processing, in situ data analysis, Python as a software integration platform, visualization, gridding, model intercomparison, and very large (petabyte) dataset manipulation and access. Following the overall an-

nual meeting theme, the symposium is also soliciting papers on advances in using Python to create, analyze, disseminate, and manage climate and weather projections and predictions.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Johnny Lin, Physics Department, North Park University (e-mail: jlin@northpark.edu). (2/12)

CALL FOR PAPERS

Third Conference on Transition of Research to Operations: Improving the Way Forward, 6–10 January 2013, Austin, Texas

The Third Conference on the Transition of Research to Operations (3R2O), sponsored by the American Meteorological Society, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas.

The successful transition of demonstrated observations, data assimilation/modeling, and data stewardship research into long-term sustained operational capabilities is essential to taking the weather and climate enterprise to the next level. The 3R2O conference will focus on the roles played in expanding services beyond today's capabilities through a robust research to operations transition process. This year's conference will cover the end-to-end process of R2O, including early identification of transition candidates, building a strong partnership between the research and operational organizations, and anticipating the needs for operational sustainment. The 3R2O conference supports the national imperative for the effective and efficient transition of research into sustained operations, which becomes even more essential in fiscally challenging times. Dialogue between conference attendees will help shape the way forward toward improved transitions of research to operations.

Sessions include discussion on the following topics:

Plenary Session. This session will consist of talks and a panel discussion addressing the question, "How can we, or, how are we improving the research to operations transition process?"

Moving demonstrated research into long-term sustained operations remains a challenge for many reasons, including (1) different requirements of the research and operational communities; (2) the time needed by operational users to fully exploit the benefits of a new research capability; and (3) the even longer time and additional resources needed by the operational provider to build and sustain a long-term, robust capability. A new relationship between the research and operational organizations has been recommended; whereby the research and operational organiza-

tions work more closely together. This close partnership requires the careful consideration of operational needs by the research partner and participation by the operational organization in the early planning phases of new research. At the same time, the partnership requires the operational organization to provide more easily accessible operational data and products, which can then be used by the research organization to test and validate a new research capability. Such a partnership will help to enable an acceleration of research to operations, while ensuring the transfer of operations knowledge back to research (O2R). This R2O–O2R relationship enables a better balance between operational responsibilities and research and development initiatives.

Enhancing Operational Observing Capabilities: Progress and Plans for R2O-Enabling Technologies. This session will focus on Earth science technology innovations aimed at improving science and operational services. Special emphasis will be given to innovations that quantify the changing distribution of extreme weather events and enable improvements in weather, ocean, and climate prediction; such as

- advanced radiometer concepts supporting weather, ocean, and climate research;
- innovative techniques for measuring winds, aerosols, and trace gases;
- new capabilities for measuring and monitoring all forms of precipitation; and
- other anticipated technology advancements.

Pathway for Satellite Data Retrieval Algorithms. This session will discuss the process of developing, calibrating, validating, and updating operational algorithms for retrieving data products from a new generation

of polar-orbiting and geostationary environmental satellites. Within a few years, several new operational environmental satellites are planned for launch—including the NOAA Joint Polar Satellite System (JPSS) and the NOAA Geostationary Operational Environmental Satellite-R series (GOES-R) satellites. These satellite systems will deploy greatly improved sensor technology for observing the Earth, sun, and near-Earth space environment. To complement these advances in sensor technology, new science-based retrieval algorithms are being developed. Topics of most interest relate to the life-cycle processes for development and maintenance of these new science-based retrieval algorithms as well as the infrastructure needed to support them. Also of interest are topics that highlight the challenges of having a greatly increased data volume; the opportunities for improved services enabled by significantly reduced data latency; improved temporal, spatial, and spectral resolution; and the development of blended algorithms that take advantage of observations from multiple sensors and satellites.

Impacts of Demonstrated Research Satellite Measurements to Operational Meteorology, Oceanography, and Climate Requirements. This session will concentrate on the demonstration of innovative new research measurements to improve operational services. The session will focus on

- proven research satellite observing capabilities that should be transitioned to long-term sustained operations,
- the development of innovative methods of processing and analyzing observations from satellites for both research and operational purposes, and
- the display and use of satellite data for both research and operation-

al purposes, including weather, ocean, and climate monitoring and forecasting.

Accelerating the Transition of Research to Operations in Environmental Models and Analyses. This session will explore the assimilation and modeling of satellite measurements of the atmosphere, ocean, and land surface properties, specific to

- How does a particular observing system complement other systems and contribute to a viable composite observing system to meet requirements for atmospheric, space weather, oceanic, or land surface models and analyses?
- How can assimilation of the observations into operational environmental models and analyses be optimized?

Research to Operations Testbeds. This session will describe research to operations testbeds for weather, ocean, and climate applications. Testbeds cover a wide range of capabilities and include organizations, architectures, processes, and methods that are needed to demonstrate the value of new science or technology outside, or in addition to, the constraints of an operational organization or framework. Results are used to determine the most efficient and effective means to move the capability or process into an operational environment or a combined research and operational environment.

Ground Data Processing System Transitions from Research to Operations. The successful transition of research to operations cannot be sustained without continuous improvements in data ingest, processing, and distribution systems. A major challenge to planners is incorporating needed changes without creating new “stovepipes.” This session will explore the progress, plans, and challenges

in creating enterprise ground system capabilities, which are needed for the more efficient flow of ever-increasing volumes of data.

Progress, Plans, and Challenges in Transitioning Climate Data Records from Research to Operations. This session will review efforts to transition climate data records to a sustained operational environment. A major focus of the session will be the National Climatic Data Center’s research-to-operational transition of multisatellite, multidecadal climate data records. Their goal is develop an affordable way to re-engineer and maintain complex research codes (usually developed outside of NOAA) in a modular and system with minimal life cycle costs.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairpersons, John Pereira (e-mail: john.pereira@noaa.gov) ; Elizabeth Nolan (e-mail:

elizabeth.nolan@noaa.gov); Amy Walton (e-mail: amy.l.walton@nasa.gov); Wayne Blackwood (e-mail: wayne.blackwood@noaa.gov); Mike Kalb (e-mail: mike.kalb@noaa.gov); James Yoe (e-mail: james.g.yoe@noaa.gov); John Schattel (e-mail: john.schattel@noaa.gov) or Ken Carey (e-mail: kenneth.carey@noblis.org). (2/12)

CALL FOR PAPERS

First Symposium on the Weather and Climate Enterprise, 6–10 January 2013, Austin, Texas

The First Annual Symposium on the Weather and Climate Enterprise, sponsored by the American Meteorological Society and organized by the AMS Commission on the Weather and Climate Enterprise's Board on Enterprise Planning, will be held 6–10 January 2013, as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

In the keeping with the 2013 Annual Meeting theme of “Taking Predictions to the Next Level: Expanding Beyond Today's Weather and Climate Forecasts and Projections,” the Commission on the Weather and Climate Enterprise (CWCE) invites presentations on a broad range of topics of interest to the government, private, academic, and other user communities. Possible areas of interest, but not limited to, are the following:

- renewable energy
- water resources
- national mesonets, i.e., “Network of Networks”
- climate services
- open weather and climate concepts and practices
- weather, climate, and human health

- transportation and weather
- weather and resilient ecosystems
- dissemination services
- federal budget impacts and strategies
- communicating risk and uncertainty
- weather decision technologies and the social sciences

In addition to the list above, we will seek other topics that have or will have the potential to impact the weather and climate enterprise broadly over the academic, private, and government sectors. Special emphasis should be placed upon providing information that highlights outcomes and strategic vision on topics that are relevant to today's evolving scientific, budgetary, or societal community issues. Topics and themes should incorporate interactions between sectors, including lessons gained, success stories, and/or areas of concern for the professions related to the general AMS membership and beyond to various user communities.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3

MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For more information, please contact the program co-chairs: Laura Furgione (e-mail: laura.furgione@noaa.gov) or Matthew J. Parker (e-mail: matt.parker@srnl.doe.gov). (2/12)

CALL FOR PAPERS

Special Symposium on the Next Level of Predictions in Tropical Meteorology: Techniques, Usage, Support, and Impacts, 6–10 January 2013, Austin, Texas

The Special Symposium on the Next Level of Predictions in Tropical Meteorology: Techniques, Usage, Support, and Impacts, sponsored by the American Meteorological Society and organized by the AMS Committee on Hurricanes and Tropical Meteorology, will be held 6–10 January 2013 as part of the 93rd AMS Annual Meeting in Austin, Texas. Preliminary programs, registration, hotel, and general information will be posted on the AMS website (www.ametsoc.org/meet/annual/) in late-September 2012.

The theme for the 2013 AMS Annual Meeting is “Taking Predictions to the Next Level: Expanding Beyond Today's Weather and Climate Forecasts and Projections.” Over the past 60 years the meteorological community has made tremendous strides in making prediction a fundamental part of its scientific and operational/service heritage through the development and application of complex numerical models involving the atmosphere, ocean, land, and cryosphere components of the Earth system. This theme will serve as a catalyst for the 2013 AMS Annual Meeting by focusing the attention of the research and operational communities, including those who are involved in accelerating the transition of research results

into operations. Furthermore, the increasing use of predictions by decision makers throughout federal, state, and local government emergency management agencies and by private/commercial sectors will serve as an important component for this annual meeting along with the extension of predictive capabilities into a broader domain, including public health, food security, air and water quality, alternative energy, and responses to climate trends.

Following the theme of the Annual Meeting, a Special Symposium on the Next Level of Predictions in Tropical Meteorology: Techniques, Usage, Support, and Impacts will be convened. Papers are solicited on a variety of topics that address predictions of important factors in tropical meteorology. The topics will be ordered based on spatial and temporal scales. Specific sessions will address interannual and global factors, intraseasonal and regional factors, synoptic-scale factors, and subsynoptic factors. Each topic will address prediction techniques, a user perspective, and implications for society.

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.

Please submit your abstract electronically via the web by *1 August 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). An abstract fee of \$95 (payable by credit card or purchase order) is charged at the time of sub-

mission (refundable only if abstract is not accepted).

Authors of accepted presentations will be notified via e-mail by late-September 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact the program chairperson, Patrick A. Harr, Department of Meteorology, Naval Postgraduate School, Monterey, CA 93943 (e-mail: paharr@nps.edu). (2/12)

ANNOUNCEMENT

IMPACTS: Major Weather Events and Impacts of 2012, 8 January 2013, Austin, Texas

This session highlights the major weather-related events and their impacts that occurred in the previous year. The theme for the conference is “Taking Predictions to the Next Level: Expanding Beyond Today’s Weather and Climate Forecasts and Projections.” How did improved prediction services or communication platforms potentially change the outcome of the 2012 weather event? Are we seeing improved responses from the public based on improvements to weather forecasting, or were there significant lessons learned in 2012? While the session does have invited speakers,

submitted abstracts will be accepted through *15 October 2012*. Two of the session themes generally include global and U.S. weather impacts, and opportunities exist as major events occur to create two other themed sessions during the day as well. Past themes have included significant floods, heat and drought, decision support during major events, urban weather events, weather and transportation impacts, marine weather events and weather and health impacts.

Please submit your abstract electronically via the web by *15 October 2012* (refer to the AMS web page at www.ametsoc.org/meet/online_submit.html). 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), which covers the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation on the AMS website. Authors of accepted presentations will be notified (via e-mail) by mid-November 2012. All extended abstracts are to be submitted electronically and will be available online via the web. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit manuscripts (up to 3 MB) electronically by *6 February 2013*. All abstracts, extended abstracts, and presentations will be available on the AMS website.

For additional information, please contact the program chair, Tanja Fransen (e-mail: tanja.fransen@noaa.gov; tel: 406-228-2850). (2/12)

Sponsorship Opportunities Available at AMS Meetings!

The American Meteorological Society’s sponsorship program allows your company to stand out in the crowd. Reasonably priced sponsorship packages are available to small through large companies providing the sponsor with quality, value-packed exposure to our meeting attendees. For information contact Claudia Gorski, Director of Meetings, at (617) 226-3967; cgorski@ametsoc.org.

A gift for every season.

(PLUS FREE SHIPPING!)



Fleece Scarf \$17

COLOR: Charcoal with AMS emblem



Ceramic Mug \$7

COLORS: Navy with white AMS seal
White with navy AMS seal



Umbrella with weather symbols \$14

COLOR: Navy with white symbols



Silk Tie with weather symbols \$17

COLORS: Navy with white symbols and Burgundy with gold symbols



Cotton T-Shirt

Adult: S, M, L, XL, XXL \$12
Child: S, M, L \$10

COLORS: Navy with white AMS seal
White with navy AMS seal



Travel Mug \$8

COLOR: Blue stainless steel with white AMS seal



Membership Lapel Pins \$10

COLOR: Gold



Soft Briefcase \$27

COLOR: Black with white AMS seal
DIMENSIONS: 16" L, 12.5" H, 3.75" W (expands to 5")



Silk Scarf with weather symbols \$17

COLORS: Navy with white symbols
Burgundy with gold symbols



Long Sleeve T-Shirt

Mens: S, M, L, XL, XXL \$15

COLOR: Navy with white AMS seal

Womens: S, M, L, XL \$15

COLORS: Gray with blue AMS seal



12 Pocket CD Case \$9

COLOR: Blue with white AMS seal

ORDER TODAY! Prepay by check/money order, Visa, MC, or AMEX

CALL 617-226-3998 FAX 617-742-8718

MAIL AMS, 45 Beacon Street, Boston, MA 02108-3693

FOR MORE GIFT IDEAS check out the new AMS Online Bookstore (weather books, biographies, histories, monographs and more) at www.ametsoc.org/amsbookstore.

