

Updated: 1 July 2005

Red = New announcement or call

Blue = Revised announcement or call

2005 MEETINGS

Announcement

Community Meeting on the Future of the US Weather Prediction Enterprise, July 26–28, 2005, Boulder, Colorado

The Community Meeting on the Future of the US Weather Prediction Enterprise will take place July 26–28, 2005 at the University of Colorado, Folsom Stadium Conference Center in Boulder, Colorado. The meeting is organized by the American Meteorological Society in partnership with the Weather Coalition, with financial support provided by the AMS Commission on the Weather and Climate Enterprise, the National Center for Atmospheric Research, and the following members of the Weather Coalition: the University of Oklahoma, the University Corporation for Atmospheric Research, The Weather Channel, and the Reinsurance Association of America.

Although numerical weather prediction in the United States has made significant strides during the past several decades, there are a number of warning signs that U.S. weather prediction and research are not living up to their potential. At the same time, the weather prediction enterprise has changed substantially in recent years and there is increasing debate on how the various parts of the enterprise should work together. This meeting is open to all members of the weather prediction enterprise ranging from those participating in operational prediction and weather-related research, to members of the weather user communities.

Specifically, the meeting will: Examine the strengths and weaknesses of the U.S. weather prediction and research enterprise; Examine the process by which research results and modeling improvements are transitioned to operations; Discuss who is the weather prediction community and how decisions should be made; Examine the need for a more cooperative and coordinated approach to weather prediction operations and research; and Discuss concrete next steps, consistent with the consensus of the meeting.

The meeting will begin at 1 p.m. on 26 July and will end midday on the 28th. Registration will be free; attendees will be responsible for their own travel expenses. For information on the meeting, including local hotel accommodations, local transportation options, and registration options, please visit the meeting website (<http://dtcenter.org/events/wxprediction2005.html>). Agenda, registration, lodging and other meeting information are being added to the website, and the site will be updated as necessary. So please check this site soon and often for the latest available meeting information. (7/05)

Announcement

AMS Short Course on Climate Variability and Change for Broadcasters, 1 August 2005, Washington, DC

The AMS Short Course on Climate Variability and Change will be held on 1 August 2005 preceding the 34th Conference on Broadcast Meteorology in Washington, DC. The course is sponsored by the American Meteorological Society and organized by the AMS Committee on Climate Variability and Change. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (www.ametsoc.org) in June 2005.

This one-day course for broadcasters will cover the basic concepts of climate variability and change including: Overview of processes controlling climate variability and change on timescales from seasons to decades and beyond; New developments in climate prediction; Latest scientific consensus on climate change; Understanding and explaining climate change; and What works, what doesn't when talking about climate?

For further information, please contact the short course organizer: Ed O'Lenic, NOAA/NWS, Climate

Prediction Center (tel: 301-763-8000, ext. 7528; fax: 301-763-8395; e-mail: Ed.Olenic@noaa.gov.) (1/05; r3/05)

Announcement

34th Conference on Broadcast Meteorology, 1–5 August 2005, Washington, D.C.

The 34th Conference on Broadcast Meteorology, sponsored by the American Meteorological Society and organized AMS Board on Broadcast Meteorology, will be held 2–5 August 2005 at the Omni Shoreham Hotel in Washington D.C. The Broadcast conference will be held in conjunction with the 21st Conference on Weather Analysis and Forecasting/17th Conference on Numerical Weather Prediction. Joint sessions between the three groups will strive to foster an understanding of job execution and future interaction.

The short course this year will be held Monday, 1 August 2005 and will focus on aspects of weather analysis and prediction. (Separate registration is required for this workshop). A preliminary program, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) by March 2005.

The 34th Conference on Broadcast Meteorology theme will be "Storming the Hill." Papers are encouraged in all areas of broadcast meteorology. Some topics that might take the bully pulpit include: your coverage of a major weather event (wall-to-wall, hurricane, snowstorm, tornado, flooding), establishing partnerships with other meteorologically-minded agencies (NOAA/NWS, Emergency Management, SPC, EPA, RTNDA, UCAR/COMET, NCEP, universities, etc), being the station scientist, your weather coverage beyond television, how you entertain and inform on school/community visits, contact with your congressperson, or any paper that might be of interest to the broadcast community. Use of video is highly encouraged. The vote is in and the popular career development session will return. Topics could include: your battle with a non-compete clause, branching into other aspects of meteorology from your on-air job, or the gridlock of job hunting.

The deadline for abstracts has passed. Authors of accepted presentations will be notified (via e-mail) by May 2005.

The 34th conference will also feature a "Tape Swapping Filibuster". Please bring a tape of bloopers, graphic ideas or special weathercasts, your first time on the air, or a recent weathercast for critique. For further information or any suggestions to enhance the conference can be e-mailed to the conference chair, Jillene Wahl (e-mail: tjvanhoy@swbell.net; tel: 316-265-1474.) (10/04; r11/04)

Announcement

21st Conference on Weather Analysis and Forecasting/17th Conference on Numerical Weather Prediction, 1-5 August, Washington, D.C.

The 21st Conference on Weather Analysis and Forecasting/17th Conference on Numerical Weather Prediction, sponsored by the American Meteorological Society, and organized by the AMS Committee on Weather Analysis and Forecasting will be held 1-5 August 2005, in Washington, D.C. The conference will be held in conjunction with the 34th Conference on Broadcast Meteorology.

An evening reception on the first day is planned, as well as a mid-week lunch with an invited keynote speaker. Several sessions focused on Cognitive Decision-making in forecasting/human in-the-loop, and a forecasters forum is planned throughout the week. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in June 2005.

The venue of this conference presents a unique opportunity for partnership between the scientific and broadcast communities to further the understanding and use of forecast tools and techniques. Based on a general theme of "Educating and Training the User Community and the Public on Weather Analysis and Forecasting," the Committee solicits papers and posters on the following topics: (1) Forecasting Tools – Helping the Public Understand the Impact of Daily Weather Forecasts; (2) Severe Weather Tools – Satellite, Radar and Mesoscale Networks of Observing Sensors, including Hydrology; (3) Applications to Support Weather Forecasts – Nowcasting and Weather Impacts Analyses; (4) Numerical Weather

Prediction Tools and Techniques, including ensembles, data assimilation, verification, quality control, and parameterization; (5) Socioeconomic impacts of forecasts; and (6) Environmental Education, Training and Outreach. In addition, sessions will be held on synoptic and mesoscale research. We will also devote several sessions to “case studies” of interest to the broadcast community.

The deadline for abstracts has passed. Authors of accepted presentations will be notified (via e-mail) by mid- May 2005.

In addition, a “Mini Suite” option will be available to all authors for an additional fee of \$50. This includes the submission of an extended abstract (in .pdf) if uploaded by **11 July 2005** (revised date) and if you choose, the posting of your recorded presentation at the conference. All extended abstracts will be permanently archived and may be viewed online at the AMS Website. No hardcopy preprints or CD-ROM will be distributed at the conference.

For additional information please contact the program chairperson, Mary Cairns, NOAA/OFCM, 8455 Colesville Road, Suite 1500, Silver Spring, MD 20910 (e-mail: mary.cairns@noaa.gov). (10/04; r11/04; r3/05)

Announcement

NOAA/EPA Golden Jubilee Symposium on Air Quality Modeling and Its Applications, 20–21 September, 2005 Sheraton Imperial Hotel, Durham, North Carolina

A special AMS Symposium will be held in Research Triangle Park, North Carolina, 20–21 September 2005 to help celebrate the 50th Anniversary of the collaboration between the U.S. Department of Commerce’s National Oceanic and Atmospheric Administration (NOAA) and the U.S. Environmental Protection Agency (EPA) and their predecessor agencies in the fields of air pollution meteorology, and air quality modeling and its applications to assess air pollution problems for air quality management decision-making. It will be a two-day symposium with seven sessions of presented papers and an evening poster session on the first day. Both oral and poster presentations are solicited for the following topics: (1) role of air quality models in decision-making, (2) meteorological modeling for air pollution applications; (3) air quality model application and evaluation; (4) air quality forecasting; and (5) emerging science in air quality modeling.

It is anticipated that all presented and poster papers will be published in a peer-reviewed AMS Monograph. There will be two luncheons with invited keynote speakers and a reception with the evening poster session. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web-site (www.ametsoc.org/meet/index.html) in May 2005. The final program will be published in the June 2004 issue.

The deadline for abstracts has passed. The authors should submit completed manuscripts at the time of the meeting for inclusion in the AMS Monograph.

For additional information please contact the program chairperson, S.T. Rao, NOAA Atmospheric Sciences Modeling Division, U.S. Environmental Protection Agency, Mail Drop E243-02, Research Triangle Park, NC 27711 (e-mail: st.rao@noaa.gov or rao.st@epa.gov) or Yale Schiffman, AMS, 1120 G Street NW, Suite 800, Washington, DC 2005 (tel: 202-737-9006 ext. 403; e-mail: yaleschiffman@dc.ametsoc.org). (6/04; r11/04; r5/05)

Announcement

11th Conference on Mesoscale Processes, 23-28 October 2005, Albuquerque, New Mexico

The 11th Conference on Mesoscale Processes, sponsored by the American Meteorological Society and organized by the AMS Committee on Mesoscale Processes, will be held from 23–28 October 2005 in conjunction with the 32nd Conference on Radar Meteorology, at the Sheraton Old Town in Albuquerque, New Mexico. A preliminary program, plus hotel and registration information, will be posted on the AMS web site (<http://www.ametsoc.org>) by June 2005.

Poster as well as oral presentations are solicited on all aspects of mesoscale meteorology, especially

those aspects related to remote sensing technology (e.g., Doppler radar and lidar) used in the understanding and description of mesoscale atmospheric processes. The Program Committee encourages abstract submission for joint Radar/Mesoscale sessions in the following areas: (1) mesoscale structure and precipitation characteristics of tropical and extratropical cyclones; (2) recent field work aimed at understanding the organization of deep and shallow convection (with a special session on RICO); (3) mesoscale dynamics of baroclinic systems, including frontal systems and wave phenomena; (4) orographic and coastal circulation systems; and (5) the assimilation of radar data in numerical weather prediction models.

In addition to these joint sessions, sessions will be held on the following topics in Mesoscale Meteorology: mesoscale predictability, mesoscale numerical modeling and data assimilation, evaluation of the WRF model and its use to improve understanding of mesoscale processes, theoretical and numerical studies of balanced and unbalanced dynamics, and mesoscale instabilities.

On Sunday 23 October, an optional educational forum will be held, entitled "A Primer on Radar Analysis Techniques Used in Mesoscale Meteorology". Attendance to this joint Mesoscale/Radar forum is free, but pre-registration is required, no later than 7 October. The forum, held from 8 am to 6 pm, contains four sessions: (1) Microphysical characterization of precipitation systems using dual-polarization and Doppler radar retrieval; (2) Single Doppler retrieval and assimilation techniques for use in mesoscale models; (3) Airborne Doppler radar analysis of tropical and extratropical mesoscale systems; and (4) Analysis of mesoscale processes using wind profiling radars and VAD.

Please submit your abstract via www.ametsoc.org no later than **3 June 2005**. A fee of \$60 (payable with a credit card or purchase order) will be charged at the time of submission of each abstract. When submitting your abstract, you will be given the choice of a poster or an oral presentation. Given the expected size of this conference, we strongly encourage participants to opt for a poster presentation.

Authors of accepted presentations will be notified (via e-mail) by early July 2005. A preprint CD-ROM is being prepared; authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available online via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3 MB) must be submitted electronically by **19 August 2005** to AMS Headquarters. Color graphics and URLs to archive sites containing more details or animations are encouraged in these extended abstracts. A manuscript charge will be collected to defray the cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentations. Registrants will receive a preprint CD-ROM at the conference.

For further information please contact program chairpersons David Jorgensen, NOAA/NSSL, 1313 Halley Circle, Norman, OK 73069 (tel: 405-366-0585; e-mail: David.P.Jorgensen@noaa.gov) or Steven Koch, NOAA/FSL, 325 Broadway, Boulder CO 80303 (tel: 303-497-5487; e-mail: Steven.Koch@noaa.gov). (10/04; r3/05)

Announcement

32nd Radar Meteorology Conference, 23–29 October 2005, Albuquerque, New Mexico

The 32nd Conference on Radar Meteorology, sponsored by the American Meteorological Society and organized by the AMS Committee on Radar Meteorology, will be held from Sunday 23 October through Saturday 29 October 2005 in conjunction with the 12th Conference on Mesoscale Processes, at the Sheraton Old Town in Albuquerque, New Mexico. A preliminary program, plus hotel and registration information, will be posted on the AMS web site (<http://www.ametsoc.org>) by June 2005.

Poster as well as oral presentations are solicited on all aspects of radar meteorology. The conference aims to highlight recent developments in radar technology in understanding mesoscale atmospheric processes. Specifically, the conference intends to demonstrate the use of radars, including spaceborne radars, for the description and numerical simulation of the dynamical and microphysical processes controlling cloud and precipitation systems worldwide.

The Program Committee encourages abstract submission for joint Radar/Mesoscale sessions in the following areas: (1) mesoscale structure and precipitation characteristics of tropical and extratropical

cyclones; (2) recent field work aimed at understanding the organization of deep and shallow convection (with a special session on RICO); (3) mesoscale dynamics of baroclinic systems, including frontal systems and wave phenomena; (4) orographic and coastal circulation systems; (5) the assimilation of radar data in NWP models.

In addition to joint sessions, sessions will be held on the following topics in Radar Meteorology: spaceborne radar and multiple-sensor measurements including from TRMM, GPM and Cloudsat, ground-based validations and climate studies; radar-based studies of the microphysics of clouds and precipitation, including polarimetric methods; hydrologic studies; signal processing; mm-wave radars as well as wind profilers; severe weather studies; operational radar aspects; and radar studies of boundary-layer processes.

On Sunday 23 October, an optional educational forum will be held, entitled "A Primer on Radar Analysis Techniques Used in Mesoscale Meteorology". Attendance to this joint Mesoscale/Radar forum is free, but pre-registration is required, no later than 7 October. The forum, held from 8 am to 6 pm, contains four sessions: (1) Microphysical characterization of precipitation systems using dual-polarization and Doppler radar retrieval; (2) Single Doppler retrieval and assimilation techniques for use in mesoscale models; (3) Airborne Doppler radar analysis of tropical and extratropical mesoscale systems; and (4) Analysis of mesoscale processes using wind profiling radars and VAD.

Please submit your abstract via www.ametsoc.org no later than **3 June 2005**. A fee of \$60 (payable with a credit card or purchase order) will be charged at the time of submission of each abstract. When submitting your abstract, you will be given the choice of a poster or an oral presentation. Given the expected size of this conference, we strongly encourage participants to opt for a poster presentation. As a rule of thumb, two papers out of every three should be a poster presentation.

Authors of accepted presentations will be notified (via e-mail) by early July 2005. A preprint CD-ROM is being prepared; authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available online via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3 MB) must be submitted electronically by **19 August 2005** to AMS Headquarters. Color graphics and URLs to archive sites containing more details or animations are encouraged in these extended abstracts. A manuscript charge will be collected to defray the cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentations. Registrants will receive a preprint CD-ROM at the conference.

For questions please contact Bart Geerts, Dept. of Atmospheric Science, University of Wyoming, Laramie WY 82071 (tel: 307-766-2261; e-mail geerts@uwyo.edu) or Paul Krehbiel, Physics Dept., New Mexico Tech., Socorro, NM 87801 (tel: 505-835-5215; krehbiel@ibis.nmt.edu). (10/04; r3/05)

Call For Papers

Joint Sixth Symposium on Fire and Forest Meteorology/Interior West Fire Council Conference, 25–27 October 2005, Canmore, AB, Canada

The Joint Sixth Symposium on Fire and Forest Meteorology/Interior West Fire Council Conference, sponsored by the American Meteorological Society, organized by the AMS Committee on Agriculture and Forest Meteorology, and co-sponsored by the Interior West Fire Council, will be held 25–27 October 2005 in Canmore, AB, Canada

The theme of the symposium will be to share experiences, new techniques and technologies and/or changes in the areas of: 1) coupled fire-atmosphere modeling; 2) use of mesoscale meteorological models for short-range fire planning, including, but not limited to, application of the next generation fire danger rating system; 3) use and development of weather forecasts for prescribed fire planning and execution; 4) techniques in smoke management and air quality mitigation related to the new national fire policy and new NAAQS and haze standards; 5) mid- and long-range forecasting for fire control and fire use planning; 6) operational and near-operational fire weather forecasting techniques—use of new technologies and resources; 7) weather applications for operational fire behavior assessment and forecasts; 8) use and assessment of climate forecasts in fire management planning; 9) impacts of weather and climate on wildfire and; 10) utilization of weather and climate information for wildfire decision-making. Joint sessions will be held with the Interior West Fire Council. Participants with additional suggestions for the program are

encouraged to contact the program chairpersons.

Please submit your abstract electronically via the Web by 15 June 2005 (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$60 (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 **22 July 2005**. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by 1 September to AMS Headquarters. A preprint CD charge will be assessed to defray production costs. Registrants will receive a preprint CD-ROM at the conference.

For further program information contact either one of the Program Cochairpersons: Tim Brown, Desert Research Institute, 2215 Raggio Parkway, Reno, NV 89512-1095 (tel: 775-674-7090; fax: 775-674-7016; e-mail: tbrown@dri.edu) or Sue Ferguson, Forestry Sciences Lab, 4043 Roosevelt Way NE, Seattle, WA 98105-6497 (tel: 206-732-7828; fax: 206-732-7801; e-mail: sferguson@fs.fed.us) (2/05)

2006 MEETINGS

Call for Papers

Forum on Managing our Physical and Natural Resources: Successes and Challenges, 29 January–2 February 2006, Atlanta, Georgia

The Forum on Managing our Physical and Natural Resources: Successes and Challenges will be held in conjunction with five of the scientific conferences sponsored by the American Meteorological Society, on 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. The five scientific conferences are: the 20th Conference on Hydrology; the 14th Conference on Interaction of the Sea and Atmosphere; the 14th Joint Conference on the Applications of Air Pollution Meteorology with the A&WMA; the 8th Conference on Atmospheric Chemistry and the 6th Symposium on the Urban Environment. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Our forum within the Annual Meeting will have two components: 1) plenary sessions with invited speakers, and 2) joint technical sessions with the five scientific conferences. Papers are invited for the joint sessions which address the successes and challenges within the following areas:

- 20th Conference on Hydrology: Joint session A: Water conservation in deserts; Joint session B: Flood warning systems
- 14th Conference on Interaction of the Sea and Atmosphere: Fluxes of trace gases to the ocean and implications for climate change
- 14th Joint Conference on the Applications of Air Pollution Meteorology with the A&WMA: Joint Session A: New forecasts of regional ozone by the National Weather Service; Joint Session B: Low-level transport in urban and complex terrain.
- 8th Conference on Atmospheric Chemistry: Joint session A: Multi-media impacts that address studies of air pollutant cycling in ecosystems; Joint Session B: Fluxes of trace gases to the ocean and implications for climate change.

- 6th Symposium on the Urban Environment: Joint session A: Development of tools to assist emergency responders in the case of releases of gases and small particles within urban areas; Joint Session B: Mitigation of urban heat islands; Joint Session C: Comparison and Evaluation of Urban Land surface schemes for meso-scale models.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions). Papers intended for the joint sessions identified above should be submitted to the joint session as identified in the specific scientific conference. Do not submit them to the Forum. Those papers will then be reviewed by the technical chairs of the specific conference and by the chairs (S. Grimmond and S. Hanna) of the Forum. An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM will be prepared, and authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information about the Forum please contact the program chairpersons, Steven Hanna (shanna@hsph.harvard.edu) or Sue Grimmond (grimmon@indiana.edu). (1/05; r6/06)

Call for Papers

Forum on Environmental Risks and Impacts on Society: Successes and Challenges, 29 January–2 February 2006, Atlanta, Georgia

The Forum on Environmental Risks and Impacts on Society: Successes and Challenges will be held in conjunction with several of the scientific conferences sponsored by the American Meteorological Society, on 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia.

The scientific conferences are: the 20th Conference on Hydrology; the 14th Joint Conference on Applications of Air Pollution Meteorology with the A&WMA; the 2nd Conference on Meteorological Applications of Lightning Data; the 22nd International Conference on Interactive Information Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology; and possibly others. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Our forum within the Annual Meeting will have two components: 1) plenary sessions with invited speakers, and 2) joint technical sessions with other scientific conferences. Papers are invited for the joint sessions which address the successes and challenges within the following areas:

- 20th Conference on Hydrology: Successes and Challenges of Flash Flood Forecasting and Warning
- 14th Joint Conference on the Applications of Air Pollution Meteorology with the A&WMA: Applied Forecasting of Low-Level Transport in Urban and Complex Terrain
- 2nd Conference on Meteorological Applications of Lightning Data: Advances in Understanding of Lightning and Potential Economic and Societal Benefits

- 22nd Conference on International Conference on Interactive Information Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology: Aviation Meteorology, Safety, and the Future Aviation Weather System

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions). Papers intended for the joint sessions identified above should be submitted to the joint session as identified in the specific scientific conference. Do not submit them to the Forum. Those papers will then be reviewed by the technical chairs of the specific conference and by the chairs (G. Forbes and M. Andrews) of the Forum.

In addition, papers are solicited for the Forum on a topic broader than any individual conference: Hazards and Disasters – Socioeconomic Impacts and the Decision Making Process. Abstracts on the latter topic should be submitted directly to the Forum, and will then be reviewed by the chairs and organized into one or more sessions, possibly jointly with other conferences.

An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM will be prepared, and authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information about the Forum please contact the program chairpersons, Greg Forbes (gforbes@weather.com) or Mark Andrews (Mark.Andrews@noaa.gov). (1/05)

Call for Papers

Fifth Annual AMS Student Conference and Career Fair: Career Crossroads: Where Do You Want To Go And Who Can Help You To Get There?, 28–29 January 2006, Atlanta, Georgia

Where are you going after school? Do you know how you're going to get there? We just might have some answers for you...

Join us for the Fifth Annual AMS Student Conference and Career Fair, sponsored by the American Meteorological Society, held 28–29 (Sat-Sun) January 2006 as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Registration, hotel, and general information will be posted on the AMS Web site (www.ametsoc.org) in mid-September 2005.

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 also be scheduled as a poster. Students should create a poster (reference the AMS "Poster Presentation" guidelines here: <http://www.ametsoc.org/meet/speakersupport.pdf>) that will be up for display during part of the weeklong annual meeting. Students will not need to formally present their poster but they are encouraged to stand by their poster 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. The poster session will be held in conjunction with the 15th Conference on Education's poster session. We expect to have plenty of space so you can anticipate your abstract to be accepted and receive significant visibility as a poster!

The student conference and career fair is intended for junior and senior undergraduates and first-year graduate students, and will focus on interdisciplinary topics and wide-ranging opportunities in the atmospheric and related sciences. 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 15 October 2005 (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 mid-October.

For additional information please contact the program chairpersons, Doug Miller, University of North Carolina-Asheville, dmiller@unca.edu or Percy Thomas, National Weather Service, Percy.Thomas@noaa.gov. (7/05)

Announcement

Short Course on Artificial Intelligence and Its Applications in the Environmental Sciences, 28–29 January 2006, Atlanta, Georgia

The Short Course on Artificial Intelligence (AI) and Its Applications in the Environmental Sciences will be held 28–29 January 2006, preceding the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (www.ametsoc.org) in mid-September 2005.

This two-day course is aimed at students, researchers, and practitioners interested in learning about AI techniques and their applications. As for any technique in data analysis and modeling, AI methodology involves a certain amount of "art" in addition to rigorous "science". Blindly utilizing the techniques can lead to unfounded conclusions. In this course, both components of the methodology will be presented. The participants will receive a rigorous presentation of the various concepts, and will leave the course equipped with a "bag of tricks" designed to suit different problems. No pre-requisite is required. The lectures and the corresponding instructors are: 1) Introduction to AI (Caren Marzban, University of Oklahoma and University of Washington); 2) Introduction to Algorithms for Supervised Learning (Rich Caruana, Cornell University); 3) Overview of AI and Machine Learning Techniques (Valliappa Lakshmanan, National Severe Storms Lab/CIMMS); 4) On the Connections Between AI and Statistics (Caren Marzban, University of Oklahoma and University of Washington); 5) Analysis of Environmental Data with Machine Learning (ML) Methods (Saso Dzeroski, Jozef Stefan Institute, Slovenia); 6) Neural Network Modeling in Climate Change Studies (Antonello Pasini, CNR - Institute for Atmospheric Pollution, Italy); 7) Applications of Genetic Algorithms in the Environmental Sciences (Sue Ellen Haupt, Penn State University); and 8) Fuzzy Logic (John K. Williams, NCAR).

Additionally, numerous discussion/question sessions are planned, wherein the participants and instructors can address more specific issues.

For further information, please contact Caren Marzban, Dept. of Statistics, Box 354323, Seattle, WA 98195-4323. Tel. (206) 282.9791, fax. (206) 347.0415, e-mail: marzban@caps.ou.edu . (8/05)

Announcement

Short Course on Land Surface–Atmosphere Interaction, 29 January, Atlanta, Georgia

The AMS Short Course on Land-Surface/Atmosphere Interaction will be held on 29 January 2006 preceding the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (www.ametsoc.org) in mid-September 2005.

The land-surface is an important element of the climate system. While variations in meteorological forcing (precipitation, air temperature, etc.) have long been known to affect various land surface states (e.g., soil moisture, snow, and the condition of vegetation), the study of how these land surface states feed back on atmospheric processes is relatively recent. The feedback has potentially significant implications for studies of climate behavior, change, and prediction.

This one-day course is aimed at students and scientists who desire an introduction to the study of land surface-climate interaction. No pre-requisite is required. The lectures include: (1) Introduction (basic concepts and historical development); (2) Land-surface modeling (main components of a land surface model); (3) Land data development (including application of remotely sensed data); (4) Principles of land-

atmosphere model coupling; (5) Ecosystem modeling (photosynthesis processes and CO₂ flux transfer, dynamic vegetation modeling); (6) Predictability associated with land/atmosphere interaction; (7) Mechanisms underlying land/atmosphere interaction; and (8) A discussion session between students and instructors.

For further information, please contact Yongkang Xue, Dept. of Geography and Dept. of Atmospheric and Oceanic Sciences, UCLA, 1255 Bunche Hall, Los Angeles, CA 90095-1524 (tel: (310) 825-1122; fax: (310) 206-5976; e-mail: yxue@geog.ucla.edu) 7/05

Announcement

The Symposium on the Public/Private Sector Partnership, 31 January 2006, Atlanta, Georgia

The Symposium on the Public/Private Sector Partnership, sponsored by the American Meteorological Society, and organized by the AMS Committee on Weather Analysis and Forecasting, will be held 31 January 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web Site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The purpose of the symposium is discuss various aspects of the public/private sector partnership, focused on 1) how the National Oceanic and Atmospheric Administration (NOAA) Policy on Partnerships in the Provision of Environmental Information could benefit the Private Sector, 2) how the NOAA Policy could restrict the Private Sector, 3) Partnership success stories, 4) Partnership failures, and 5) proposals for future Partnership success and open discussion.

For additional information, please contact the program chairperson, Neil Stuart, NOAA/NWS, 10009 General Mahone Hwy, Wakefield, VA, 23888 (tel: 757-899-4200; e-mail: neil.stuart@noaa.gov), or Weather Analysis and Forecasting Committee Chairperson, Mary Cairns, OFCM, 8955 Colesville Rd, Ste 1500, Silver Spring, MD, 20910 (tel: 301-427-2002; fax: 301-427-2002; e-mail: mary.cairns@noaa.gov. (7/05)

Call for Papers

The Jim Holton Symposium, 29 January–2 February 2006, Atlanta, Georgia

The Jim Holton Symposium honoring the life and work of James R. Holton of the University of Washington will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

The Holton Symposium will consist of invited oral presentations and contributed poster presentations. Poster presentations are solicited on topics broadly related to Jim Holton's career interests, including all aspects of atmospheric dynamics, stratosphere-troposphere exchange, and the interaction of atmospheric chemistry and transport.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-

ROM at the conference.

For additional information please contact the program chairperson(s), Peter Webster, School of Earth and Atmospheric Sciences, Georgia Institute of Technology, Atlanta, Georgia 30332 (tel: 404-894-1748; fax: 404-894-3955; email: pjw@eas.gatech.edu) or Dennis Hartmann, Department of Atmospheric Sciences, University of Washington, Seattle, Washington 98195 (tel: 206-543-7460; fax: 206-543-0308; email: dennis@atmos.washington.edu). (1/05)

Call for Papers

The Doug Lilly Symposium, 29 January–2 February 2006, Atlanta, Georgia

The Doug Lilly Symposium honoring the life and work of Doug Lilly of the University of Oklahoma will be held on Thursday, 2 February, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

The Lilly Symposium will consist of invited oral presentations and contributed poster presentations. Poster presentations are solicited in all areas of scholarship to which Professor Lilly contributed, especially tropical and mid-latitude convection, theory and numerical simulation of turbulence and boundary layers, and the dynamics of gravity waves, downslope windstorms, and severe thunderstorms. A joint session is planned with the AMS Conference on Severe Local Storms. The Lilly Symposium will conclude with an evening banquet.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information, please contact the program chairperson, Fred Carr, Univ. of Oklahoma, CAPS, 100 East Boyd Street, Room 1310 SEC, Norman, OK 73019 (tel: 405-325-2990; fax: 405-325-7687; e-mail: fcarr@ou.edu) (1/05; 5/05; r7/05)

Call for Papers

Fourth Presidential History Symposium, 29 January–2 February 2006, Atlanta, Georgia

The Fourth Presidential History Symposium, sponsored by the American Meteorological Society, and organized by the AMS History Committee, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this conference are solicited on all aspects of the history of the applications of the

atmospheric, hydrologic and oceanic sciences. In particular, papers addressing historical aspects of the two integrating subthemes are invited.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information, please contact the program chairperson Kristine C. Harper, Dibner Institute, MIT E56-100, 38 Memorial Drive, Cambridge, MA 02139, (tel: 617-258-0513; E-mail: kcharper@mit.edu or kharper@proaxis.com.) (1/05)

Call for Papers

22nd Conference on Interactive Information Processing Systems (IIPS), 29 January–2 February 2006, Atlanta, Georgia

The 22d Conference on IIPS, sponsored by the American Meteorological Society, and organized by the AMS Committee on IIPS, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Air, Energy, and Water Resources" and "Environmental Risks and Impacts on Commerce."

Papers for this conference are solicited on all aspects of IIPS related to Applications of Weather and Climate Data; Global Meteorological and Hydrological Service Updates; European and Other International Applications; Satellite IIPS and Applications including satellite ocean remote sensing; Radar IIPS and Applications; Interactive Processing Systems; Applications in Meteorology, Oceanography, Hydrology and Climatology; GIS Applications; Internet Applications and Cyberinfrastructure; Challenges in Data Access, Distribution, and Use; and Advances and Applications in Transportation Weather, Surface and Aviation.

The 22nd IIPS Conference will feature joint sessions. One joint session will be with the 10th Integrated Observing and Assimilation Systems for Atmosphere, Oceans, and Land Surface (IOAS-AOLS) Conference a session related to global environmental observing systems including, but not limited to, the Global Climate Observing System (GCOS), Global Ocean Observing System (GOOS), and Global Terrestrial Observing System (GTOS). Another will be with the 15th Symposium on Education a session titled "Tools to enhance Weather and Climate Data Use in the Classroom." These joint sessions are directly related to the overall theme of the 86th AMS Meeting of "Applications of Weather and Climate Data." Abstracts for this session may be submitted either to the IIPS or to the IOAS-AOLS conference. Other joint sessions will be added as 22d IIPS Conference planning progresses.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-

ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairpersons, Dr. Terry C. Tarbell, RS Information Systems (RSIS), 703.734.7800, ttarbell@rsis.com, and Linda Miller, UCAR, 303.497.8646, lmiller@ucar.edu. (1/05; r7/05)

Call for Papers

20th Conference on Hydrology, 29 January–2 February 2006, Atlanta, Georgia

The 20th Conference on Hydrology, sponsored by the American Meteorological Society, and organized by the AMS Committee on Hydrology, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this conference are solicited on all aspects of hydrology, including analysis, comparison, and validation of water and energy flux and state variable estimates on multiple spatial and temporal scales. We anticipate two joint sessions with the forums listed above: (1) Water Conservation in Deserts; and (2) Successes and Challenges of Flash Flood Forecasting and Warning.

We also anticipate a number of sessions in the following topical areas: (1) Hydrologic applications of satellite data, including GRACE, AMSR-E, TRMM and MODIS; (2) Land-atmosphere interactions; (3) Hydrologic data assimilation; (4) Hydrologic parameter estimation; (5) Hydrometeorological scaling from catchments to the globe; (6) Hydrologic ensembles and uncertainty; and (7) Global water and energy cycle observations, models, and analyses.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson, Christa Peters-Lidard, NASA/Goddard Space Flight Center, Code 974, Greenbelt, MD 20771 (tel: 301-614-5811; fax: 301-614-5808; email: Christa.Peters@nasa.gov). (1/05)

Call for Papers

18th Conference on Climate Variability and Change, 29 January–2 February 2006, Atlanta, Georgia

The 18th 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 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this conference are solicited on all aspects of observed and modeled climate variations, with those addressing the broad themes of the annual meeting highly encouraged. In addition, contributions are also solicited for a special session on the use of climate observations and forecasts in the energy and water resource sectors. Other special sessions will be developed in the coming months.

A special session is being planned Land/Atmosphere Interaction to be held jointly with the 21st Conference on Hydrology. The land's role in the climate system—its impact on atmospheric means and variability across a broad range of timescales, ranging from hours to centuries—has been the subject of much recent exploratory research. Despite these recent gains in our understanding, however, and despite the importance placed on this interaction by the GEWEX and CLIVAR research programs, many of the meteorological, biophysical, and biogeochemical processes that underlie climate-soil-vegetation dynamics are not yet fully understood. This session focuses on (1) dynamic, physical, and biogeochemical mechanisms by which the land surface influences atmospheric processes and climate; (2) predictability associated with land-surface/atmosphere interaction; (3) impacts of land processes on monsoon development; (4) impact of land-cover and land use change on climate; (5) development of coupled atmosphere/land-surface models. We welcome papers addressing any of these topics.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson(s), Bradfield Lyon, IRI, PO Box 1000, 110 Monell Building, Palisades, NY 10964, (845) 680-4475, FAX: (845) 680-4864, (blyon@iri.columbia.edu); Gerald Potter, LLNL, L-103, 7000 East Ave., Livermore, CA 94550, (925) 422-1832, (gpotter@llnl.gov); or Christopher Landsea, NOAA/AOML/Hurricane Research Division, 4301 Rickenbacker Causeway, Miami, FL 33149, (305) 361-4357, Fax: (305) 361-4402, (Chris.Landsea@noaa.gov). (1/05; r6/06)

Call for Papers

18th Conference on Probability and Statistics in the Atmospheric Sciences, 29 January–2 February 2006, Atlanta, Georgia

The 18th Conference on Probability and Statistics in the Atmospheric Sciences, sponsored by the American Meteorological Society, and organized by the AMS Committee on Probability and Statistics in the Atmospheric Sciences, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

The conference seeks papers on all aspects of probability and statistics, and in particular papers dealing with the sub themes of the meeting, "Managing Our Air, Energy, and Water Resources" and "Environmental Risks and Impacts on Commerce." The overall theme of the meeting is "Applications of Weather and Climate Data" and the following topics are encouraged: Use of ensembles and their postprocessing in prediction; gridded forecasts, their production and use; downscaling weather and climate variables; and objective forecasting of atmospheric phenomena such as air pollution, extreme weather, precipitation amount and type, and weather elements of importance to aviation, construction, and agriculture, especially their probabilistic prediction and how to optimally use those forecasts for commerce and to mitigate environmental risks.

A full-day short course is now being planned to precede the conference on Sunday, 28 January, entitled "Methods and Problems of Downscaling Weather and Climate Variables."

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

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For more information, please contact the conference co-chairs Bob Glahn, NOAA/NWS, 1325 East West Highway, Silver Spring, MD. 20910 (tel: 301-713-1768, ext. 156; fax: 301-713-9395; e-mail harry.glahn@noaa.gov) or Rick Katz, NCAR/ISSE, P.O. Box 3000, Boulder, CO 80307 (tel: 303-497-8114; fax: 303-497-8125; e-mail: rwk@ucar.edu) (1/05; 5/05)

Call for Papers

15th Symposium on Education, 29 January–2 February 2006, Atlanta, Georgia

The 15th Symposium on Education, sponsored by the American Meteorological Society, and organized by the AMS Commission on Education and Human Resources, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this symposium are solicited on all aspects of education and public outreach in the atmospheric, oceanic and hydrologic sciences, including topics on K-12, university, informal, and professional education. Both oral and poster formats are encouraged. Two special sessions are offered.

The first is entitled "Educational Outreach Activities for Space Weather" (held jointly with the 3rd Symposium on Space Weather); the second (offered jointly with the 22nd International Conference on Interactive Information Systems (IIPS) for Meteorology, Oceanography and Hydrology) entitled "Tools to enhance Weather and Climate Data Use in the Classroom".

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson(s), David R. Smith, Oceanography Dept., United States Naval Academy, Annapolis, MD 21402 (tel: 410-293-6553; fax: 410-293-2137; email: drsmith@usna.edu) or Rajul Pandya, UCAR/SOARS, P.O. Box 3000, Boulder, CO 80307-3000 (tel: 303-497-2650; fax: 303-497-8629; email: pandya@ucar.edu). (1/05)

Call for Papers

14th Joint Conference on the Applications of Air Pollution Meteorology with A&WMA, 29 January–2 February 2006, Atlanta, Georgia

The 14th Joint Conference on the Applications of Air Pollution Meteorology with A&WMA, co-sponsored by the American Meteorological Society and Air and Waste Management Association, and organized by the AMS Committee on the Meteorological Aspects of Air Pollution, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this conference are solicited on all aspects of air pollution meteorology, including fundamental dispersion theories and models, laboratory experiments and field observations, air quality modeling and forecasting, and atmospheric chemistry and photochemical modeling.

The general topical areas include atmospheric transport and dispersion of gaseous pollutants and particulate matter, their chemical transformations, deposition, scavenging, and other removal processes, terrain and building influences, and instruments and measurement systems.

Both oral and poster presentations are solicited in the above areas as well as the following specific topics: 1) coupled regional/meso scale, local/urban scale, and small-scale transport, diffusion and air quality models; 2) dispersion in convective and stable boundary layers; 3) flow and dispersion around buildings and obstacles; 4) transport and dispersion in urban, coastal and complex terrain; 5) regional/meso scale dispersion and air quality; 6) photochemical modeling and monitoring; 7) modeling and measurements of particulates and aerosol; 8) instantaneous and accidental releases and emergency response models; 9) concentration fluctuations, model uncertainty and evaluation; 10) integrated modeling and measurement systems for emission and air quality predictions including forecasts of regional ozone and

particulate matter; and 11) advanced modeling techniques for dispersion and air quality on all scales (e.g., Lagrangian particle dispersion models, large-eddy simulation, direct numerical simulation). Two joint sessions on (1) "New Forecasts of Regional Ozone by the National Weather Service" and (2) "Low-Level Transport in Urban and Complex Terrain" are planned in conjunction with the Annual Meeting Forums 1 and 2, respectively. In addition, joint sessions are also planned with the 6th Symposium on the Urban Environment and the 8th Conference on Atmospheric Chemistry.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson: S. Pal Arya, Professor, Department of Marine, Earth and Atmospheric Sciences, North Carolina State University, Raleigh, NC 27695-8208 (tel: 919-515-7002; fax: 919-515-7802; e-mal: sparya@ncsu.edu). (1/05)

Call for Papers

The 14th Conference on Interaction of the Sea and Atmosphere, 29 January–2 February 2006, Atlanta, Georgia

The 14th Conference on Interaction of the Sea and Atmosphere, sponsored by the American Meteorological Society (AMS), and organized by the AMS Committee on Interaction of the Sea and Atmosphere, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating sub-theme forums to be highlighted are: "Managing our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Commerce."

Abstracts for this conference are solicited on all aspects of air-sea interaction across the full spectrum of time and spatial scales; from the microscale processes governing air-sea turbulent fluxes to climate and its fluctuations (e.g., ENSO). The list of general sessions will be based on the number and topics of abstracts received. Although not an exhaustive list, abstracts covering the following topics are sought: Remote sensing applied to air-sea interaction; In situ air-sea turbulent flux measurements; Air-sea turbulent flux parameterizations; The role of air-sea interactions in extratropical transitioning hurricanes; Coupled ocean-atmosphere basin-scale variability; and Ocean-atmosphere decadal variability.

The following special sessions are currently planned: Air-sea interactions in tropical cyclones and intraseasonal oscillations; Coupled Boundary Layers/Air-Sea Transfer (CBLAST) Hurricane; Coherent structures in tropical cyclone boundary layers; The role of ocean-atmosphere interaction in tropical climate and its variation; Space-based air-sea turbulent fluxes; and Regional scale air-sea interaction.

A joint session with the Eighth Conference on Atmospheric Chemistry is planned on air-sea fluxes of environmentally important gases. This session will be in conjunction with the forum "Managing our Physical and Natural Resources: Successes and Challenges" mentioned above. An additional joint session

is planned with the 14th Conference on Satellite Meteorology and Oceanography on the topic of marine meteorological applications of real and synthetic aperture radar.

In an effort to improve the formal poster viewing experience, there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. Authors are strongly encouraged to consider presenting their research using the poster format.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web site at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

Authors of accepted abstracts will be contacted via e-mail by mid-September 2005. A preprint CD-ROM will be prepared. Authors of accepted abstracts will be asked to contribute extended abstracts to this volume. All extended abstracts will be submitted electronically and, in addition to the CD-ROM, will be made available on-line. Instructions for preparing extended abstracts will be posted on the AMS Web site. Extended abstracts (up to 3MB) must be submitted by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray the cost of the preprint CD-ROM, as well as Web posting of the manuscript. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairpersons: Todd D. Sikora, Department of Oceanography, United States Naval Academy, Annapolis, MD 21401 USA (tel: 410-293-6561; fax: 410-293-2137; email: sikora@usna.edu) or Niklas Schneider, International Pacific Research Center, University of Hawaii at Manoa, 1680 East-West Road, Honolulu, HI 96822 USA (tel: 808-956-8383; fax: 808-956-9425; email: nschneid@hawaii.edu) (1/05; r6/05; r7/05)

Call for Papers

14th Conference on Satellite Meteorology and Oceanography, 29 January–2 February 2006, Atlanta, Georgia

The 14th Conference on Satellite Meteorology and Oceanography, sponsored by the American Meteorological Society, and organized by the AMS Committee on Satellite Meteorology and Oceanography, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this conference are solicited on all aspects of satellite meteorology and oceanography. General session topics include 1) Climatology and Long-Term Satellite Studies; 2) Environmental Applications; 3) Operational Products; 4) Retrievals and Cloud Products; 5) Data Assimilation; and 6) New and Future Sensors and Applications. A joint session is also planned with the AMS Conference on Air-Sea Interaction.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

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Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson, Joe Turk, Naval Research Laboratory, Marine Meteorology Division, 7 Grace Hopper Avenue, Monterey, CA 93943 (Tel: 831-656-4888; email: turk@nrlmry.navy.mil). (1/05)

Call for Papers

12th Conference on Aviation, Range, and Aerospace Meteorology (ARAM), January 29–February 2, 2006, Atlanta, Georgia

The 12th ARAM Conference is sponsored by the American Meteorological Society and co-sponsored by the American Institute of Aeronautics and Astronautics. It is being organized by the AMS Committee on ARAM and AIAA Atmospheric and Space Environment Technical Committee (ASETC). The Conference will be held January 29– February 2, 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge.

The 12th ARAM Conference will place emphasis on the application of scientific accomplishments to aviation, range, and aerospace meteorology issues. Papers are sought that will provide information concerning the atmospheric environment and applications to forecasting, communications, display, operational planning and design of aviation, aerospace, and range systems. Suggested topic areas include, but are not limited to, the following: (1) aviation and range weather including icing, forecasting, in-cloud and clear-air turbulence, wind shear, wake vortices, lightning, visibility, severe storms, winter storms, weather impacts on operations, flight/mission planning, and accident litigation; (2) aerospace meteorology including descriptions of the atmospheric environment applicable for use in the assessment of aerospace systems performance, design, mission planning, and operations to include wind shear and turbulence models, thermodynamic reference atmosphere models, cloud characteristics, lightning characteristics, hydrometeor descriptions and especially engineering analyses regarding atmospheric inputs; (3) sensors and systems including clear air and in-cloud turbulence detection and mitigation, ground-based systems for aviation and range operations support, application of space-based sensors for atmospheric measurements/observations, communications, display, and automated and remote sensor systems; (4) environment impact, including atmospheric air quality and climate modifications due to operation of aviation and aerospace systems; and (5) technology needs regarding airborne detection, forecasting, modeling, observations, and communications relative to design input and operational support for future aviation and aerospace vehicle operations.

Participants in the FAA's Aviation Weather Research Program (AWRP) and the recently-formed Joint Program Development Office (JPDO) are encouraged to provide submissions reflecting their work, especially AWRP progress on research activities over the past couple years and JPDO work toward an integrated national plan for aviation weather.

Preferences will be given to papers that document significant advances in modeling, technology, and system development; highly innovative concepts; significant planning initiatives and policy analyses; and other matters of high interest and value to the aviation, range, and aerospace meteorology community. This conference will include panels discussing the key issues and accomplishments in several of the topic areas. Poster presentations are highly encouraged and viewing opportunities will be integrated and highlighted in the program.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume.

All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the ARAM Conference Chairpersons, Tim Wilfong, ENSCO, Director of Weather Systems Development, 303-443-4858, wilfong.timothy@ensco.com, Gene Addy, Icing Branch, NASA Glenn Research Center, 216-977-7467, gene.addy@nasa.gov, or the Program Committee Chair, Dr. Marilyn Wolfson, MIT Lincoln Laboratory, 781-981-7439, mwolfson@ll.mit.edu. (03/05)

Call for Papers

Tenth Symposium on Integrated Observing and Assimilation Systems for Atmosphere, Oceans, and Land Surface (IOAS-AOLS), 29 January–2 February 2006, Atlanta, Georgia

The Tenth Symposium on Integrated Observing and Assimilation Systems for Atmosphere, Oceans, and Land Surface (IOAS-AOLS) will be held 29 January through 2 February 2006 as part of the 86th Annual Meeting of the American Meteorological Society in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Air, Energy, and Water Resources" and "Environmental Risks and Impacts on Commerce."

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 will be given preference, namely: How does a particular observing system mesh with others? What purposes does it serve uniquely? What other systems complement its capabilities? How does it advance environmental understanding, monitoring, and prediction? What assimilation methods ensure that the observational data will be fully exploited in numerical weather prediction models? What can assimilation and prediction systems tell us about the impact of current and future observing systems on forecast accuracy? This symposium will *avoid* addressing the characteristics of numerical models, that being the purview of other meetings.

Sessions will be organized around the following topics. 1) Ocean observations: How does a particular observing system complement other systems and contribute to a viable composite observing system appropriate for the ocean environment? What do the observations tell us about the ocean environment? 2) Atmospheric observations, in situ and remote, including from satellites: Advantages and shortcomings compared with other observing systems; the Integrated Upper Air Observing System (IUAOS) for the U.S. 3) Land-surface observations, including urban areas: surface characteristics, surface fluxes and their effect on boundary layer depth; applications in public health, transport models, and emergency response. 4) TAMDAR (Tropospheric Airborne Meteorological Data Reports): new system for collecting automated aircraft reports primarily from short-hop commercial airlines; impact on forecasts of TAMDAR data. (5) Assimilation of observations (ocean, atmosphere, and land surface) into models: assimilation methods; minimization techniques; forward models and their adjoints; incorporation of constraints; error statistics; 6) Experiments involving observations, real or hypothetical: data impact tests (sensitivity of forecasts to a particular source of observations); observing system simulation experiments (OSSEs); 7) Field experiments: observational results from past field experiments; potential relevance of the field observations to operational prediction; 8) Joint Session with the 22nd Conference on Interactive Information Processing Systems (22nd IIPS) focusing on the Global Earth Observing System of Systems (GEOSS); 9) Joint session

with the 3rd Symposium on Space Weather, emphasizing progress and challenges related to the assimilation of space weather measurements into prediction models; and 10) Brief joint session with the 14th Conference on Satellite Meteorology and Oceanography (invited papers only).

As just noted, the joint session with 22nd IIPS will focus on GEOSS. We solicit papers on the development of various global environmental observing systems including, but not limited to, the Global Climate Observing System (GCOS), Global Ocean Observing System (GOOS), and Global Terrestrial Observing System (GTOS). A special emphasis this year would be on progress towards development of an enhanced tsunami observation and warning system that is an outgrowth of the tragic events of 26 December 2004.

The joint session with the 3rd Symposium on Space Weather will focus on the assimilation of space weather data into models. Data assimilation is a new but essential technique for space weather modeling. An assimilating model for the ionosphere has recently been completed and is undergoing transition into operations, and scientists are working on various assimilating schemes for the other domains of the space environment. This session will emphasize some of the challenges facing space weather modelers and highlight some of the techniques that have been successfully developed and tested in meteorological weather forecasting.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairpersons, Alexander E. MacDonald, NOAA/FSL, Mail code R/FSL, 325 Broadway, Boulder, CO 80305-3328 (tel: 303-497-6378; e-mail: alexander.e.macdonald@noaa.gov) or Thomas W. Schlatter at the same mailing address (tel: 303-497-6938; e-mail: tom.schlatter@noaa.gov). (1/05; r4/05; r5/05)

Call for Papers

The Eighth Conference on Atmospheric Chemistry, 29 January–2 February 2006, Atlanta, Georgia

The Eighth Conference on Atmospheric Chemistry, sponsored by the American Meteorological Society, and organized by the AMS Committee on Atmospheric Chemistry, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Air, Energy, and Water Resources" and "Environmental Risks and Impacts on Commerce."

Papers for this conference are solicited on all aspects of Atmospheric Chemistry. We are particularly interested in hosting field study results. Special sessions are planned on air quality forecasting, aerosols – radiative impacts and visibility reduction, and new particulate matter standards. Joint sessions are planned with the 14th Conference on the Applications of Air Pollution Meteorology.

In conjunction with the Special Forum -Managing our Physical and Natural Resources: Successes and Challenges, a special session planned on multi-media impacts that address studies of air pollutant cycling in ecosystems, which will be held in conjunction with the first forum mentioned above. Papers examining the impacts of air pollutants on ecosystems on their potential for affecting carbon sequestration mitigation strategies are encouraged for submission to this special session. A joint session is also planned with the 14th Conference on Interaction of the Sea and Atmosphere air-sea fluxes of environmentally important gases.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

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For additional information please contact the program chairperson, Dr. Brian Lamb, Department of Civil and Environmental Engineering, Washington State University, Pullman, WA, 99164-2910, (509) 335-5702 blamb@wsu.edu. (1/05; r8/05)

Call for Papers

Sixth Symposium on the Urban Environment, 29 January–2 February 2006, Atlanta, Georgia

The Sixth Symposium on the Urban Environment, sponsored by the American Meteorological Society and co-sponsored by the International Association for Urban Climate and organized by the AMS Board of the Urban Environment, will be held 29 January–2 February 2006 as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

The Symposium on the Urban Environment will participate in the former subtheme along with the 20th Conf on Hydrology, 14th Conf on Interaction of the Sea and Atmosphere, 13th Joint Conference on the Applications of Air Pollution Meteorology with the A&WMA, and 8th Conf. on Atmospheric Chemistry. Themes for joint urban sessions include: "Development of tools to assist emergency responders in the case of gaseous releases within urban areas" and "Mitigation of urban heat islands".

Papers and posters are invited on all subjects dealing with the urban atmosphere including: observational, modeling, theoretical, and applied studies. We particularly encourage papers in areas of common interest to the conferences within our broad theme such as: urban hydrology, urban air quality (including urban airshed modeling and urban air chemistry experiments), studies of coastal cities, risks and hazards associated with the urban atmosphere, and cities as agents of global change.

Two special joint sessions will also be organized with the AMS Committee on Boundary Layers and Turbulence. Topics will include urban boundary layer structure and development, and turbulent transport and dispersion processes (in urban areas and around buildings.)

Proposals for other sessions or for panel discussions are welcome; please contact the program chairs as

soon as possible and certainly before the due date for abstracts.

Awards will be given to students for the best papers and posters. In order to be considered for the competition, students should indicate their intent to participate in this competition when they submit their abstract.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

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For further information contact the program co-chairpersons: Steven R. Hanna (email: hannaconsult@adelphia.net), James Voogt (email: javoogt@uwo.ca) or Walter Dabberdt (email: Walter.Dabberdt@vaisala.com). (1/05)

Call for Papers

Fourth Users Conference, 29 January–2 February 2006, Atlanta, Georgia

The Fourth Users Conference, sponsored by the American Meteorological Society, and organized by the AMS Economic Development Committee, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Papers for this conference are solicited on all aspects of uses of weather and climate information around the general conference theme and the integrating subthemes. Users involved in Energy, Water Resources and Transportation are particularly invited to submit papers for this conference which differs from the majority of those presented at AMS scientific meetings in that they will focus on user needs, successes, failures, and other aspects of weather and climate products and services as they relate to the end user and decision maker

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

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Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson, George Frederick, george.frederick@vaisala.com, 303-402-4728. (1/05)

Call for Papers

Third Annual Symposium on Space Weather, 29 January–2 February 2006, Atlanta, Georgia

The Third Annual Symposium on Space Weather, sponsored by the American Meteorological Society, will be held 29 January–2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The theme of the 86th Annual Meeting is “Applications of Weather and Climate Data,” and one of two subthemes, “Environmental Risks and Impacts on Commerce,” is particularly relevant for space weather. This year’s Symposium will emphasize impacts of space weather on commercial and government systems. The Symposium will focus on the tough open questions that need the active participation of the academic, government, and commercial communities to solve. Papers will be solicited on all aspects of space weather with a preference for those that address "impacts." Additionally, papers will be solicited to describe new data sources and products, and new developments with forecast models. The Symposium will feature a session on “Educational Outreach Activities for Space Weather” to be held jointly with the 15th Symposium on Education. In addition, presentations are solicited for a poster session on university space weather programs to attract potential students.

The Symposium will also feature a session on the assimilation of space weather data into models to be held jointly with the 10th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface (IOAS-AOLS). Data assimilation is a new and rapidly growing technique to space weather modelers. An assimilating model for the ionosphere has recently been completed and is undergoing transition into operations and scientists are working on various assimilating schemes for the other domains of the space environment. This session will emphasize some of the challenges facing space weather modelers and highlight some of the techniques that have been successfully developed and tested in meteorological weather forecasting.

In an effort to improve the AMS formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by 1 August 2005 (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted).

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For additional information please contact the program chairperson, Bob McCoy, (703-696-8699; email: mccoyr@onr.navy.mil) or Gene Fisher (202-737-9006 ext 422; email: fisher@dc.ametsoc.org) (1/05; 5/05; 6/05)

Call for Papers

Second Conference on Meteorological Applications of Lightning Data, 29 January–2 February 2006, Atlanta, Georgia.

The Second Conference on Meteorological Applications of Lightning Data, sponsored by the American Meteorological Society, and organized by the AMS Committee on Atmospheric Electricity, will be held 29 January–2 February 2005, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating sub-themes that will be highlighted are "Managing Our Air, Energy, and Water Resources" and "Environmental Risks and Impacts on Commerce."

The goals of the Second Conference on Meteorological Applications of Lightning Data are two-fold. First, we wish to facilitate discussion between researchers and operational meteorologists related to past and present applications of lightning data, including successes and failures related to those applications. Second, we wish to motivate creative thinking with regard to, and support for, the use of future advanced lightning detection systems (satellite- and ground-based, optical and RF) in *both* the operational and research communities. As such, papers for this conference are solicited on topics related to: 1) the utility of lightning data in the operational warning and decision making process including development of space vehicle launch-commit criteria; 2) Recent advances in lightning technology and transfer of that technology from research to operations; 3) Observational fusion and application of lightning data in process studies related to earth and atmospheric sciences; 4) Assimilation of lightning data into forecast models; and 5) Utility of lightning information for safety and protection-related issues. In addition to the aforementioned topics, we are also soliciting contributions for an additional joint session titled "Advances in Understanding of Lightning and Potential Economic and Societal Benefits" to be held in concert with the Forum on Environmental Risks and Impacts on Society: Successes and Challenges.

In an effort to improve the formal poster viewing experience there will be two distinct poster series, each two days long. The first is Sunday evening through Tuesday morning and the second is Wednesday morning through Thursday evening. All posters must be removed at the end of the first series in order to set posters for the second series. More information will be available once the program has been finalized.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the program chairperson, Dr. Walt Petersen, ESSC/NSSTC, University of Alabama Huntsville, Huntsville AL. 35899; tel: (256) 961-7861; fax: (256) 961-7979; email: walt.petersen@msfc.nasa.gov. (1/05)

Call for Papers

Second Symposium: "Toward a Global Earth Observation System of Systems—Future National Operational Environmental Satellite Systems", 31 January–1 February 2006, Atlanta, GA

The Symposium on Future National Operational Environmental Satellite Systems – National Polar-orbiting Operational Environmental Satellite System (NPOESS) and Geostationary Operational Environmental Satellite R-Series (GOES-R), is sponsored by the American Meteorological Society and

organized by the joint NPOESS/GOES-R Symposium Committee. This one and one-half day meeting during the 86th AMS Annual Meeting in Atlanta, Georgia will provide invited presentations and posters focused on the future US operational environmental satellite contributions to the Global Earth Observation System of Systems (GEOSS). Both of the Symposium's afternoon sessions will be held jointly with the 14th Satellite Meteorology and Oceanography Conference.

The NPOESS and GOES-R satellites will provide core GEOSS capacity and will be key contributors of essential environmental information for society. The Interagency Working Group for Earth Observations (IWGEO) under the White House Committee on Environment and Natural Resources (CENR) has drafted the *Strategic Plan for the US Integrated Earth Observation System* that will serve as the US contribution to the GEOSS. This working group has explored policy and technical issues relating to data access and utilization challenges, governance issues, and plans for systematic transition from research to operations. A luncheon panel discussion will be moderated by Dr. William Hooke, AMS, and comprised of several IWGEO agency members. Attendees will have the opportunity to ask questions of the panel and moderator.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005.

For further information contact the co-chairs of the NPOESS / GOES-R Symposium Committee: NPOESS: Gerard Wittman, Raytheon Company (tel: 720-858-5277; fax: 303-344-6439; e-mail: gdwittman@raytheon.com; NPOESS Web Site: <http://www.ipo.noaa.gov>) GOES-R: James Gurka, NOAA/NESDIS, (tel: 301-713-2789 Ext 148; fax: 301-713-313; e-mail: james.gurka@noaa.gov; GOES-R Web Site: http://www.osd.noaa.gov/goes_R (5/05)

Call For Papers

First Symposium on Policy Research, 1–2 February 2006, Atlanta, Georgia

The First Symposium on Policy Research will be held 1-2 February 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

Increasingly, policy issues matter to the Earth system sciences and Earth system science-based service community. Research and analysis of those issues is growing commensurately. Papers are solicited that discuss policy research in the Earth system sciences and services. This AMS Symposium on Policy Research is intended to provide a forum where (i) researchers can share their findings and report on recent progress, (ii) policy makers can dialog with researchers about areas that merit further analysis and why, and (iii) and researchers can dialog with each other and with federal agency officials and others about topics and themes for future Symposia. This Symposium should allow for discussion of the need for stable, structured funding for research in this field, and for outlets for research, such as an AMS Policy Journal. Symposium sessions will be organized along the three areas described above. Because the lines between policy research and the social sciences are not sharply drawn, contributed papers on such related topics will be welcome. For this initial year, the AMS Policy Program will develop the Symposium program in cooperation with the Board on Societal Impacts.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions). An abstract fee of \$60 (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 mid-September 2005. A preprint CD-ROM will be prepared, and authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions

for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information about the Symposium please contact Roger Pulwarty, Roger.Pulwarty@noaa.gov or Genene Fisher, fisher@ametsoc.org. (8/05)

Call for Papers

Symposium on the Challenges of Severe Convective Storms, 29 January–2 February 2006, Atlanta, Georgia

A special two-day Symposium on the Challenges of Severe Convective Storms, sponsored by the American Meteorological Society, and organized by the AMS Committee on Severe Local Storms, will be held as part of the 86th AMS Annual Meeting, 29 January–2 February 2006, in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) in mid-September 2005.

The 86th Annual Meeting is being organized around the broad theme of "Applications of Weather and Climate Data" with an emphasis on documenting success stories in the applications of atmospheric, hydrologic and oceanic sciences, and the research needed to continue benefiting from new knowledge. Two integrating subthemes that will be highlighted are "Managing Our Physical and Natural Resources: Successes and Challenges" and "Environmental Risks and Impacts on Society: Successes and Challenges."

The Symposium on the Challenges of Severe Convective Storms will include primarily invited oral presentations and panel discussions highlighting new developments in our understanding of severe convective storms and their prediction, and identifying key remaining issues that will be the targets of future research efforts. Featured topics will include cutting-edge observations and high-resolution numerical modeling of tornadoes and their parent storms, storm-scale data assimilation, advances in radar hardware and applications, severe thunderstorm and tornado forecasting, and the climatology of severe local storms. Although most of the oral presentations will be invited, the Symposium also will include poster presentations. Therefore, papers for this symposium also are solicited on the aforementioned topics. Accepted papers primarily will be presented as posters, but some authors of submitted abstracts may be invited to present orally.

Please submit your abstract electronically via the Web by **1 August 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 mid-September 2005. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts will be posted on the AMS Web site. Manuscripts (up to 3 MB, but not exceeding six pages) must be submitted electronically by **1 November 2005** to AMS Headquarters. A manuscript charge will be collected to defray to cost of the preprint volume or CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint volume or CD-ROM at the conference.

For additional information please contact the program chairperson: Paul Markowski, Department of Meteorology, Penn State University, 503 Walker Building, University Park, PA 16802 (tel: 814-865-9736; email: pmarkowski@psu.edu). (1/05)

Announcement

The Symposium on the Public–Private Sector Partnership, 31 January 2006, Atlanta, Georgia

The Symposium on the Public/Private Sector Partnership, sponsored by the American Meteorological Society, and organized by the AMS Committee on Weather Analysis and Forecasting, will be held 31 January 2006, as part of the 86th AMS Annual Meeting in Atlanta, Georgia. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web Site

(<http://www.ametsoc.org/AMS>) in mid-September 2005.

The purpose of the symposium is discuss various aspects of the public/private sector partnership, focused on 1) how the National Oceanic and Atmospheric Administration (NOAA) Policy on Partnerships in the Provision of Environmental Information could benefit the Private Sector, 2) how the NOAA Policy could restrict the Private Sector, 3) Partnership success stories, 4) Partnership failures, and 5) proposals for future Partnership success and open discussion.

For additional information, please contact the program chairperson, Neil Stuart, NOAA/NWS, 10009 General Mahone Hwy, Wakefield, VA, 23888 (tel: 757-899-4200; e-mail: neil.stuart@noaa.gov), or Weather Analysis and Forecasting Committee Chairperson, Mary Cairns, OFCM, 8955 Colesville Rd, Ste 1500, Silver Spring, MD, 20910 (tel: 301-427-2002; fax: 301-427-2002; e-mail: mary.cairns@noaa.gov, (7/05)

Call for Papers

27th Conference on Hurricanes and Tropical Meteorology, 24–28 April 2006, New Orleans, LA

The 27th Conference on Hurricanes and Tropical Meteorology, sponsored by the American Meteorological Society, organized by the AMS Committee on Tropical Meteorology and Tropical Cyclones, will be held 24–28 April 2006 in New Orleans, LA.

Papers are solicited on all aspects of tropical meteorology and oceanography, including convection, hurricanes, intraseasonal variability, monsoons, air-sea interaction, climate and prediction. The following special sessions are planned: "The multiple mechanisms producing diurnal variability in global precipitation"; "The predictability of the North American monsoon, including results from the North American Monsoon Experiment (NAME)"; "The coordinated NOAA/NASA/NSF 2005 field program"; and "Coupled Marine Boundary Layer Dynamics: Lessons learned from the CBLAST Program". Participants with additional suggestions for the program are encouraged to contact the program chairperson.

Please submit your abstract electronically via the Web by **15 November 2005** (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.) An abstract fee of \$70 (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 **mid-January 2006**. A preprint CD-ROM is being prepared, authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by **28 February 2006** to AMS Headquarters. A preprint CD charge will be assessed to defray production costs. Registrants will receive a preprint CD-ROM at the conference.

For further program information contact the Program Chair, Liz Ritchie, University of New Mexico, Dept. of Earth and Planetary Sciences, Albuquerque, NM 87131 (tel: 505-277-8325; fax: 505-277-8235; e-mail: ritchie@ece.unm.edu)

Call for Papers

Eighth International Conference on Southern Hemisphere Meteorology and Oceanography, 24–28 April 2006, Foz do Iguaçu, Brazil

The Eighth International Conference on Southern Hemisphere Meteorology and Oceanography will be held 24–28 April 2006 in Foz do Iguaçu, Paraná State, Brazil. Foz do Iguaçu is a tourist city located in the area of the triple border between Brazil, Argentina, and Paraguay that includes the world-famous Iguaçu Falls. Preliminary programs, registration, hotel, and general information will be posted on the AMS Web site (<http://www.ametsoc.org/AMS>) and on the Local Organizing web site (<http://www.cptec.inpe.br/8ICSHMO>) in mid-September 2005.

Poster as well as oral presentations are solicited on all aspects of the meteorology and oceanography of the Southern Hemisphere. The meeting is organized around the broad theme: "Understanding and

Predicting Climate and Water Resources, their Variability and Change in the Southern Hemisphere". Particular attention will be given to: a) Monsoon systems and continental rainfall; Fundamental processes; Climatological, ecological, biogeochemical, and hydrological functioning of the Monsoon regions; b) Role of the SH oceans in climate. Climate – ecosystem – biogeochemistry interactions in the oceans of the SH; c) Addressing gaps in SH observing systems; d) Climate and weather forecasts: The challenge of seasonal, interannual, and interdecadal prediction in the SH; e) Understanding long-term climate variations in the SH; f) Hydrological (Hydrological variability and modeling; g) Climatic and ecological impacts of land cover and land use changes; h) Climate and Cryosphere of the Antarctic region; i) Climate change in the SH; j) Inter-ocean exchanges in the SH; k) Human influences on climate; l) Atmospheric chemistry in the SH. The Program Committee also encourages submissions on recent scientific accomplishments and synthesis for the Southern Hemisphere for global programs like WCRP, CLIVAR, GEWEX, IGBP, GCOS, GOOS, GEOSS, and IPCC.

Please submit your abstract electronically via the Web by 1 September 2005 (refer to the Conference Web page at (<http://www.cptec.inpe.br/8ICSHMO> for instructions.) Authors of accepted presentations will be notified (via e-mail) by mid-October 2005. A preprint CD-ROM will be prepared and authors of invited and accepted papers will be asked to contribute to this volume. All extended abstracts are to be submitted electronically and will be available on-line via the Web. Instructions for formatting extended manuscripts for the preprint CD-ROM will be posted on the AMS Web site. Manuscripts (up to 3MB) must be submitted electronically by February, 1st, 2006 to the Conference Web page (<http://www.cptec.inpe.br/8ICSHMO>). A manuscript charge will be collected to defray to cost of the preprint CD-ROM, as well as Web posting of the manuscript and recorded meeting presentation. Registrants will receive a preprint CD-ROM at the conference.

For additional information please contact the Program co-chairpersons, Carolina Vera, (+54-11-47872693; email: carolina@cima.fcen.uba.ar) and Carlos Nobre (+55-12- 3186 9459, email: nobre@cptec.inpe.br). (6/06)

2005 MEETINGS OF INTEREST

Announcement

XXII International Congress of History of Science, 24-30 July 2005 Beijing, China

The ICHM is sponsoring a section of contributed papers in the history of meteorology at the XXII International Congress of History of Science, 24-30 July 2005 Beijing, China. The overall theme of the Congress is "Globalization and Diversity: Diffusion of Science and Technology throughout History." Participants should complete the required forms at the Congress website <http://2005bj.ihns.ac.cn/1st-circular/english.version/index.english.htm> and notify ICHM secretary Kristine Harper kharper@proaxis.com of their planned participation, along with title and a short abstract. Early registration deadline for the Congress (Form A) is 20 Dec. 2004; Congress abstract deadline (Form B) is 15 April 2005. (12/04)

Announcement

IAMAS 2005 International Scientific Assembly "The Fascinating Atmosphere: Changeable and Changing," 2–11 August 2005, Beijing, China

The International Association of Meteorology and Atmospheric Sciences (IAMAS), which is one of the seven scientific associations making up the International Union of Geodesy and Geophysics, will hold its biennial Scientific Assembly in Beijing, China from 2–11 August 2005. The theme of the conference is "The Fascinating Atmosphere: Changeable and Changing," and will cover all areas of meteorology and atmospheric sciences, including dynamics, radiation, chemistry, electricity, clouds and precipitation, and climate variability and change. The Second Circular and call for papers has just been released, and it describes the topics and lists the conveners for 45 symposia that will cover aspects affecting the surface to the middle atmosphere and low to polar latitudes.

The International Commission on Snow and Ice and the International Association of Hydrological

Sciences are leading organization of several of the symposia. Special IAMAS symposia are also planned to celebrate the contributions to meteorology of Senior Academician Prof. Ye Duzheng in honor of his 90th Birthday, and to provide an opportunity for lead authors of Working Group I of Intergovernmental Panel on Climate Change (IPCC) to report on progress on the Fourth Assessment Report at the approximate time that the initial chapter drafts are to begin their technical review.

IAMAS 2005 is also being held in conjunction with the Second Open Science Meeting of IGBP/PAGES, which will be held in the same facility in Beijing from 10–12 August 2005 and is entitled “Paleoclimate, Environmental Sustainability and Our Future.” The main aim of this meeting is to encourage international collaboration and interdisciplinary science, and to increase the visibility of paleoclimate research in Asia. More information can be found at <http://www.pages2005.org/>.

The deadline for abstracts has passed. Registration can be done over the Web, and early bird registration is available until 1 June 2005. The IAMAS 2005 Web site (see <http://www.IAMAS2005.com> or <http://web.lasg.ac.cn/IAMAS2005/>).

The IAMAS and PAGES meetings will take place at the Beijing International Convention Center under the sponsorship of China’s leading associations and societies of meteorology and atmospheric sciences. The local organizing committee is chaired by Dr. Guoxiong Wu of the Chinese Academy of Sciences and co-chaired by Dr. Guoguang Zheng of the China Meteorological Administration. As described in the Second Circular and on the Web site, pre- and post-conference tours will be available. (11/04; r4/05)

Announcement

Earth System Processes 2, 8–11 August 2005, Calgary, AB, Canada

This conference will be an interdisciplinary, integrative scientific meeting exploring the interactions among Earth’s lithosphere, atmosphere, hydrosphere, cryosphere, and biota. As such, it will draw scientists from many related disciplines. Can you help us spread the word about ESP2 by posting updated information (or a link, see below) about ESP2 on your website or in your newsletter? Participants can register online for the meeting and field trips (new!).

If you’re interested in further information or a press release, please contact Deborah Nelson at dnelson@geosociety.org <<mailto:dnelson@geosociety.org>>, or +1-303.357.1014. (6/06)

Announcement

International Symposium on Nowcasting and Very Short Range Forecasting (WSN05), 5–9 September, 2005, Toulouse, France

The International Symposium on Nowcasting and Very Short Range Forecasting (WSN05) is organized by the World Weather Research Programme and hosted by Meteo-France. The Symposium is sponsored by Meteo-France and Eumetsat, and endorsed by the American Meteorological Society, the Royal Meteorological Society, the European Meteorological Society and the Société Météorologique de France. The Symposium will be held at Meteo-France, Toulouse, France, 5–9 September 2005.

The aim of the Symposium is to examine the capabilities, opportunities and requirements for improved forecasts in the 0-6 hour nowcasting timeframe. Special emphasis will be placed on forecasts of high impact weather such as summer convective hazards (heavy rain, hail, lightning, high winds), as well as winter weather events (snowstorm, blizzards, etc.) and other hazardous conditions (fog, etc.) Since the 0-6 hour period spans the timeframe where it is known that both traditional Nowcasting techniques and NWP can contribute useful information, both approaches will be covered at the Symposium as well as methods that combine Nowcasting and NWP. Special emphasis will be given to the needs of end users such as the transportation industry, emergency services, hydrology, agriculture, construction industry, recreation, power industry, air quality monitoring and homeland security. Presentations are also encouraged on both operational and prototype forecasts system as well as testbeds for the development of such systems. The Symposium will conclude by identifying gaps in current knowledge, opportunities and key future areas of work.

Papers are solicited in all areas of nowcasting and very short range forecasting. Especially encouraged are submissions of papers for the following sessions: Observational needs for improving very short range

forecasts; Nowcasting techniques; High resolution NWP; Basic understanding of mesoscale dynamics in 0-6 hour timeframe; Data Assimilation; Operational systems and the role of the human; Verification – procedures and results; Applications; Societal Impacts and user needs

The deadline of abstracts has passed.

For further information please contact the programme chairpersons: Chris Collier, School of Environment & Life Sciences, Peel Building, University of Salford, Salford, Greater Manchester, M5 4WT, United Kingdom (email c.g.collier@salford.ac.uk); Andrew Crook, NCAR, P.O. Box 3000, Boulder, CO, USA, 80307-3000 (tel 303-497-8980; email crook@ucar.edu); or the chair of the Local Organizing Committee: Stéphane Sénési, Météo-France Dprévi, 42 Av. G.Coriolis, F-31057 Toulouse Cedex 1, France (tel +33-561-078-630, email stephane.senesi@meteo.fr) (11/04; r1/05; r5/05; r7/05)

Announcement

History of International Cooperation in Meteorology, 12–16 September 2005, Utrecht, the Netherlands

The History of International Cooperation in Meteorology, will be held as part of the European Meteorological Society, 5th Annual Meeting, 12–16 September 2005, in Utrecht, the Netherlands. To propose a paper or register, please visit the EMS website: <http://www.emetsoc.org/EMS5/index.html> the deadline for abstracts has passed. The deadline for Pre-Registration: 26 June 2005.

Meteorology has a long history of international cooperation dating to the 17th century when the Academia del Cimento in Florence collected observations according to a uniform plan from seven locations in Italy and several foreign stations. Long before that mariners and harbor masters collected and exchanged data on winds, currents, and weather conditions. To mention a few modern examples, in the 1970s and '80s the Global Atmospheric Research Programme (GARP) sought to understand the predictability of the atmosphere and extend the time range of daily weather forecasts to over two weeks. Its first major experiment, GATE, was designed to enhance understanding of the tropical atmosphere and its role in the global circulation of the atmosphere. Another GARP experiment, ALPEX, investigated the ways in which air flows over and around mountains, the development of cyclones such as those in the Gulf of Genoa, and local mountain winds. What can we learn about science, technology and international relations from such international exchanges, field campaigns, and other cooperative efforts in meteorology? How do historians assess the legacy of these efforts and what do they reveal about the scientific, technological, and geopolitical realities of their times? We are seeking papers from all eras and on all aspects of international cooperation, including comparative national perspectives. Co-sponsored by the International Commission on History of Meteorology. Convenors: Cornelia Lüdecke and James R. Fleming. (2/05; 7/05)

Announcement

Seventh European Conference on Applications of Meteorology/Fifth Annual Meeting of the European Meteorological Society, 12–16, September 2005, Utrecht, The Netherlands

The Seventh European Conference on Applications of Meteorology/Fifth Annual Meeting of the European Meteorological Society will be held 12–16, September 2005, Utrecht, The Netherlands.

The central theme of the Seventh ECAM is meteorology and customer value. Therefore the participation of users is important and the aim is to bring together users and (commercial and public) providers. Presentations should be given on user requirements and experiences as well as on meteorology (tools, techniques, products). The topics will include transport, energy, safety, health and air quality, economy, seasonal forecasting.

The themes of the Fifth Annual Meeting of the EMS will cover a broad number of subjects from research to technology related to applied atmospheric sciences. The main topics will include: instruments and observations, atmosphere and the water cycle, boundary layer, natural hazards, aviation meteorology, climatology

For more information, please contact Copernicus Organization (cop@copernicus.org) or A. Spekat (ems_sec@fu-berlin.de).

Call for Papers

Fifth Annual Meeting of the European Meteorological Society: Boundary-layer physics in weather and climate predictions, 12–16 September 2005, Utrecht, Netherlands

The main objective of this session is to discuss the nature, theory and parameterisation of boundary layer processes relevant to weather-prediction, climate and air-pollution modelling. Improved parameterisation of geophysical turbulent boundary layers became a challenging problem in the light of new demands from operational modelling employing very high resolution general circulation models (GCMs), especially the coupled atmosphere-ice-ocean model suites needed to realistically predict local consequences of the climate change. The session will cover the following main topics: 1. New developments in experimental studies and theoretical modelling of turbulent boundary layers in the atmosphere and the ocean (a) Stable and neutral regimes (role of internal gravity waves); (b) Convective regimes (role of large-scale semi-organised structures); (c) Advanced turbulence closure models (achievements, experimental verification, limits of applicability, alternative approaches). 2. Large-eddy simulation of turbulent boundary layers. 3. Modelling of boundary-layer type flows (sea breezes, katabatic winds, internal boundary layers, etc.) and parameterisation of the sub-grid scale flows in GCMs. 4. Calculation of the near-surface turbulent fluxes: experimental verification, comparison, and testing of schemes currently used in GCMs; modern demands and prospects for improvement (a) over land (vegetation, urban canopy, dust, snow, etc.); (b) over water (open ocean, costal waters, storms, swell). 5. Boundary-layer clouds and marine, cloud topped boundary layers within atmospheric GCMs. 6. Atmospheric boundary layers over heterogeneous terrain, archipelago and coastal zones: flux aggregation problem. 7. Weather and climate phenomena essentially dependent on the interactions between the atmosphere and underlying land/sea/ice surface.

For more information, please contact Convener: Professor Sergej S. Zilitinkevich (University of Helsinki, Finland; Nansen Centre / Bjerknes Centre, Norway; Uppsala University, Sweden); Co-Convener: Professor Arakel Petrosyan (Space Research Institute, Moscow, Russia); Information: www.copernicus.org/ems/2005/index.htm session AW1.2; Personal contact: Professor Arakel Petrosyan <apetrosy@iki.rssi.ru> . (6/05)

Call for Papers

Community Modeling and Analysis System (CMAS) Conference, 26–28 September 2005, Chapel Hill, NC

The Community Modeling and Analysis System (CMAS) Conference, will be held 26–28 September in Chapel Hill, NC. The deadline for abstracts is 20 May 2005. The deadline for extended abstracts and early bird registration is 24 August 2005. For further information, please refer to the conference Web site.: www.cmascenter.org, 6/06)

Announcement

Second Midwest Extreme and Hazardous Weather Regional Conference, 13–15 October 2005, Champaign, IL

The Central Illinois Chapter of the American Meteorological Society is pleased to announce the Second Midwest Extreme and Hazardous Weather Regional Conference. The conference will take place in Champaign, IL on 13-15 October 2005. The Midwest region of the U.S. (Illinois, Indiana, Kentucky, Ohio, Michigan, Wisconsin, Iowa, Missouri, and Minnesota) experiences a particularly wide range of severe weather conditions throughout the year. This conference offers an opportunity for forecasters, researchers, media, public officials, and the public to exchange critical information on these important weather phenomena. Talks are solicited on Midwest severe thunderstorms, tornadoes, flash flooding, snowstorms, ice storms, lake-effect snowstorms, lake-breeze storms, heat and cold waves.

Invited featured speakers at the conference will include winter weather expert Dr. Paul Kocin from the Weather Channel, convective storm expert Dr. Morris Weisman from NCAR, and storm damage expert Tim Marshall, P.E. A call for papers will be issued in spring 2005 and will be announced in BAMS and in the CAIMS conference web page www.c-il-ams.org.

Please contact Conference Chair Steve Hilberg for additional information (email:conference@c-il-ams.org).

Announcement

NOAA's 30th Annual Climate Diagnostics and Prediction Workshop, 24–28 October 2005, State College, PA

NOAA's 30th Climate Diagnostics and Prediction Workshop will be held October 24-28, 2005 at the Nittany Lion Inn, State College, Pennsylvania. The Workshop is co-hosted by the Climate Prediction Center of the National Centers for Environmental Prediction (NCEP)/NOAA, Camp Springs, MD, and the Department of Meteorology of the Pennsylvania State University. The American Meteorological Society is a cooperating sponsor.

As always, the Workshop will also provide an opportunity for participants to exchange information, ideas, and opinions. This year's Workshop will focus on the following topics: Review and assessment of recent climate anomalies; Observed and predicted climate variability in Alaska and adjacent regions; Ocean-land-atmosphere prediction accuracy and impacts; Role of North Atlantic cyclones (tropical and extra-tropical) in global climate; North American Monsoon Experiment (NAME) field campaign results; Theoretical and practical predictability of the land, ocean, atmosphere system; Long-term climate variability; Impact of a changing climate on predictions.

In addition, on 27-28 October the Workshop will feature several sessions summarizing activities of interest to the NOAA Climate Test Bed, including climate model assessments, multi-model ensembles and climate products and applications.

While the majority of presentations will be posters, the Workshop will feature oral sessions consisting of selected presentations with ample time for discussion. A web site for the Workshop will be linked through as <http://www.cpc.ncep.noaa.gov/products/outreach/CDPW30.html>.

Please send your abstracts to NCEP.CDWorkshop@noaa.gov. Include title, author(s), affiliation(s), abstract, e-mail address, phone and fax numbers, and preference for poster or oral presentation. However, remember that most papers will be included in the poster sessions. Deadline for submissions is 8 July 2005. (3/05)

Call for Papers

Guideline on Air Quality Models: Applications and FLAG Developments—An A&WMA Specialty Conference, October 26–28, 2005, Denver, CO

This international symposium will provide a technical forum for environmental professionals to share experiences with the revisions to the U.S. Environmental Protection Agency's *Guideline on Air Quality Models*. Since the *Guideline* is required for use in the preparation of State Implementation Plans, Federal construction permits and many State permits, the technical and regulatory issues are of concern to source owners, regulatory agencies, consultants and the general public. In addition, special emphasis will be placed on the applications of the Federal Land Managers Guidance (FLAG) on air quality model use for Air Quality Related Values (AQRV). Courses on CALPUFF, AERMOD and PRIME will precede the Conference.

EPA has adopted AERMOD (with Prime) and CALPUFF as the refined models for most applications and simultaneously proposed the deletion of ISC. Since ISC has been the workhorse of regulatory modeling for almost 20 years, this represents a considerable change in the way modeling will be done.

Papers are invited in the following areas: AERMOD; AERMOD-PRIME; CALPUFF; ALTERNATIVE MODELS; Regulatory Application of Models; and Implementation of FLAG for AQRV analysis

The deadline for abstracts is 1 July 2005. Abstracts should be submitted via the online abstract management system. Until the system is open, abstracts (200-300 words) should be submitted to Amy Klaus, Technical Programs Coordinator, at aklaus@awma.org. Acceptance notifications will be distributed by 1 August 2005. Final manuscripts are due 1 October 2005. Please reference <http://www.awma.org/events/confs/AQMODELS05/default.asp> for further information. (3/05)

Call for Papers

Sixth International SRNWP-Workshop on Nonhydrostatic Modelling, 31 October–2 November 2005 in Bad Orb near Frankfurt, Germany

The special topic of the workshop will be "Convection resolving models". Papers of all aspects of high resolution modelling (1 to 5 km) are welcome, such as case studies, interpretation, numerical performance at this scale, e. t. c.. A problem of particular relevance for the forecast of convection is the assimilation of radar information.

Presentations on all other aspects of nonhydrostatic modelling and applications are also welcome. The workshop will be open to contributors and invited participants. Contributors are requested to submit an abstract of not more than one page to J. Steppeler, Deutscher Wetterdienst, Kaiselaistr. 42, 63067 Offenbach, Germany (fax: +49698062 3721; e-mail: seminar.fe13@dwd.de) by 01 August 2005

Please note your preference for poster or oral presentation. Notification of acceptance will be by 15 September 2005.

The workshop will take place in the charming spa village in the Spessart mountain forests. Bad Orb is situated 50 km from Frankfurt/Main and has good public transport to Frankfurt airport and Frankfurt railway station. (1/05)

Call for Papers

U.S. Climate Change Science Program Workshop: Climate Science in Support of Decisionmaking, 14–16 November 2005, in Arlington, Virginia

The U.S. Climate Change Science Program Workshop: Climate Science in Support of Decisionmaking, will be held 14–16 November 2005, in Arlington, Virginia. Deadline for submission of abstracts is July 30, 2005. For further information, please go to the Web site: (www.climatescience.gov). (8/05)

Call For Papers

Seventh Northeast Regional Operational Workshop, 1–2 November 2005, Albany, NY

The Seventh Northeast Regional Operational Workshop (NROW) will be held 1–2 November 2005, at the Center for Environmental Science and Technology Management Auditorium, 251 Fuller Road, Albany, New York on the University at Albany Campus. The workshop will be co-sponsored by the National Weather Service Office at Albany, New York, and the Department of Earth and Atmospheric Sciences, University at Albany. The American Meteorological Society is a cooperating organization.

Papers will be welcome on all aspects of Northeast United States and Southeast Canadian operational weather forecasting and should focus on the topics listed. Sessions will focus on, northeast coastal storms, terrain effects, heavy precipitation forecasting, hydrology, northeast severe storms, lake effect, use of high-resolution model data, mesoscale modeling, enhancement of the digital forecast process, CSTAR and COMET funded research, and the integration of new technology into operations. Presentations will only be given in oral form. Presenters should submit a one page abstract in Microsoft Word, Courier 11 point font. Abstracts that are in other fonts or formats will be returned. Presenters should also mail a CDROM with their presentation, to the address for the Steering Committee below in Microsoft Powerpoint. It should arrive no later than 4pm Friday, 28 October 2005. Conference presentations will be limited to 34. The Steering Committee reserves the right to decline abstracts that do not address conference foci.

No registration fee will be charged, however registration is mandatory online at the conference web page by 14 October 2005. The deadline for submission of abstracts is 7 October 2005. Abstracts should be submitted electronically as email attachments. Abstracts and presentations, should be sent to NROW Steering Committee, c/o Warren R. Snyder, National Weather Service Forecast Office, 251 Fuller Road, Suite B300, Albany, New York 12203, 518-435-9569; e-mail: warren.snyder@noaa.gov. An abstracts book

will ONLY be available online, and should be posted at the conference webpage no later than October 21, 2005 at (website). For additional information contact either Warren Snyder or Peggy Kelly, at the address above, or by fax at 518-435-9587; e-mail: peggy.kelly@noaa.gov. For conference information, online registration, hotel, banquet and general information refer to Internet address <http://www.erh.noaa.gov/aly/NROW/nrow7.htm>. Only general information will be posted through August 2005, with more specific information available afterwards. (4/05)

Call for Papers

Sixth Southern New England Weather Conference, 5 November 2005, Brookline, MA

The Sixth Southern New England Weather Conference will be held on Saturday, 5 November 2005. The conference is co-sponsored by the National Weather Service Forecast Office-Taunton, MA, the Blue Hill Observatory Science Center, the Greater Boston Chapter of the AMS, the National Weather Association Southern New England Chapter, and the University of Massachusetts-Lowell Student Chapter of the AMS.

The purpose of the conference is to enhance professional development and communications among private and public sector meteorologists, teachers, emergency management officials, and weather enthusiasts.

Presentations are being solicited on all aspects of weather, preferably but not limited to those that impact southern New England. Potential topics include severe weather, drought, winter weather, tropical weather, short-term and long-range forecasting, air quality forecasting, marine and aviation forecasting, climatology, hydrology, remote sensing, numerical weather prediction, K-12 education, communications, and weather information technology.

The deadline for abstracts is 30 June 2005.

For further information, contact Glenn Field, NOAA/NWS Forecast Office, 445 Myles Standish Blvd., Taunton, MA 02780 (tel: 508-823-1983; fax 508-823-2321; email: glenn.field@noaa.gov). (4/05)

Announcement

AMMA 2005 DAKAR International Conference, 28 November–2 December, 2005, Dakar, Senegal

The “African Monsoon Multidisciplinary Analysis” (AMMA) program is pleased to announce that the ‘AMMA 2005 DAKAR’ international conference will be held in Dakar, SENEGAL, during November 28 – December 2, 2005. ‘AMMA 2005 DAKAR’ is the First International AMMA Conference on the West African Monsoon. Conference sessions (oral and poster) will be devoted to papers that address the five principal AMMA themes: 1) West African Monsoon and Global Climate, 2) Water cycle, 3) Surface feedbacks, 4) Prediction of climate impacts, 5) High impact weather prediction.

The deadline for submission of 250 words abstracts is July 15, 2005, and the program will be announced in early September 2005. For each of the five themes, parallel working sessions and poster sessions will be organized during the congress. For abstract submission, AMMA theme and preference between oral presentation or poster will have to be specified.

Email and web site addresses for submission of abstracts will be provided in a next Announcement.

Funding is expected to be available for participants from West African nations.

Preliminary important inquiries should be addressed to kane@paris.ird.fr.

See the web site <http://amma.mediasfrance.org> and mirror sites for information on the international AMMA program.

The International Organizing Committee for AMMA 2005 DAKAR is being chaired by Bernard

BOURLES (IRD, France, Bernard.bourles@ird.fr) and Peter LAMB (Univ. of Oklahoma, USA, plamb@ou.edu). The Local Organizing Committee is being chaired by Amadou GAYE (UCAD, Senegal, atgaye@ucad.sn) (7/05)

2006 MEETINGS OF INTEREST

Call for Papers

2006 International Joint Topical Meeting: Sharing Solutions For Emergencies and Hazardous Environments, 12–15 February 2006, Salt Lake City, UT

Emergency preparedness professionals are invited to submit papers and attend the first Joint ANS ESD/RRSD Topical Meeting to be held 12–15 February 2006 in Salt Lake City, UT. Papers on Robotics and Remote Systems and Emergency Preparedness and Response are being accepted with a submission deadline of 6 June 6 2005. The meeting's theme is "Sharing Solutions for Emergencies and Hazardous Environments" and Department of Homeland Security Under Secretary Michael Brown is the invited speaker. DOE Idaho Manager Beth Sellers is serving as the Honorary Chairperson.

More details are available at www.2006sharingsolutions.com or by contacting Eric Loewen (eric.loewen@inl.gov) or Ron Lujan (ronl@inl.gov). (6/06)

Announcement

International Conference on Mesoscale Processes in Atmosphere, Ocean and Environmental Systems, 14–17 February 2006, Hauz Khas, New Delhi

The International Conference on Mesoscale Processes in Atmosphere, Ocean and Environmental Systems will be held 14–17 February 2006 in Hauz Khas, New Delhi. The meeting is organized by the Centre for Atmospheric Sciences (co-sponsored by India Meteorological Department) Indian Institute of Technology Delhi, Hauz Khas, New Delhi. The conference Website is <http://paniit.iitd.ac.in/~impa2006/>

For further information, please contact the Secretariat of the Conference: Professor Maithili Sharan, Head, Centre for Atmospheric Sciences, and Organizing Secretary, IMPA2006, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016, India, (tel: 91-11-26591301;26591312;26596029; Fax: 91-11-26591386; 26582037; E:mail: impa2006@cas.iitd.ernet.in) (5/05)

Call for Papers

Pacific Northwest Weather Workshop—2006, 3–4 March 2006, Seattle, Washington

The Pacific Northwest Weather Workshop will be held Friday and Saturday, 3 and 4 March 2006, at the NOAA Western Regional Center campus at Sand Point in Seattle, Washington. This annual conference, sponsored by NOAA's National Weather Service, the University of Washington, and the Puget Sound Chapter of the American Meteorological Society, covers recent developments in weather forecasting and observational technologies, major weather events of the past year, and topics dealing with Western U.S. meteorology.

The 2006 meeting's theme is *Climate, Climate Change, and Weather of the Pacific Northwest*, and we are encouraging abstracts in these areas. Regional climate change has received increasing attention over the past decade as the Pacific Northwest displays some of the most dramatic long-term trends in temperature and precipitation of any North American region. Recent significant departures from long-term averages have raised additional concerns regarding drought and the loss of snow pack. Although Northwest climate and climate change will be the main theme of the first day of the meeting, the workshop will include sessions on Northwest weather and its prediction.

The workshop will start Friday, 3 March, at 8:00 AM and will continue through the day on Saturday. These are tentative times and will be updated and finalized dependent upon the final number of submissions. Registration will be \$30 for regular attendees (\$15 for students) and will include lunches, afternoon and morning refreshments, and a pre-print volume. We will also have a Friday evening banquet

(for an additional charge) and special presentation, with details to be announced at a later date. Pre-registration is requested for all attendees. You can check for the latest information and register on-line via our website at: www.atmos.washington.edu/~cliff/PNW2006.html. Please submit abstracts for oral presentations and posters in text, Word or WordPerfect format - no PDF please. ABSTRACTS MUST BE RECEIVED BY 1 JANUARY 2006. Please include the title, author's name and author contact information. Poster presentations are welcome and will be displayed throughout the meeting and during a special poster session. Poster presenters will be encouraged to be available during breaks and before/after sessions to answer questions. Please send abstracts to Cliff Mass, at the email address shown below.

For more information contact: Brad Colman/Chris Hill, NWS Forecast Office, 7600 Sand Point Way NE, Seattle, WA 98115 (206-526-6095 x 224/222, brad.colman@noaa.gov or chris.hill@noaa.gov), or Clifford Mass, Dept of Atmospheric Sciences, Box 351640, University of Washington, Seattle WA 98195 (206-685-0190, cliff@atmos.washington.edu). (7/05)

Announcement

Climate Prediction Applications Science Workshop, 21–24 March 2006, Tucson, Arizona

The National Weather Service Climate Services Division, in conjunction with the University of Arizona Climate Assessment for the Southwest and Arizona Cooperative Extension is hosting the Fourth Climate Prediction Applications Science Workshop (CPASW) at the Westward Look Resort in Tucson, Arizona, on March 21-24, 2006. The workgroup will bring together a diverse group of climate science producers and users to share and discuss developments in research and applications related to the use and impacts of climate predictions on societal decision-making and resource management.

The meeting goals are to identify new climate prediction applications research, promote interactions between climate-sensitive integrated research and service communities, and assess impacts of climate forecasts on environmental-societal interactions. The workshop will not address technical challenges of making climate predictions, climate modeling, or other technical topics related to the science of climate predictions.

For more information, please contact Mike Crimmins at crimmins@u.arizona.edu or by phone at (520) 626-4244, or contact Diana Perfect (diana.perfect@noaa.gov). Additional meeting details are available at: <http://cals.arizona.edu/climate/CPASW2006/index.htm>. (7/05)

Call for Papers

28th NATO/CCMS International Technical Meeting on Air Pollution Modelling and its Application, 15–19 May 2006, Leipzig, Germany

The 28th NATO/CCMS International Technical Meeting on Air Pollution Modelling and its Application will be held 15–19 May 2006 in Leipzig, Germany. Key topics of the conference are: Local and urban scale modelling; Regional and intercontinental modelling; Data assimilation and air quality forecasting; Model assessment and verification; Aerosols in the atmosphere; Interactions between climate change and air quality; and Air quality and human health.

The deadline for abstracts is 30 June 2005 and should be sent to: itm@ua.pt. For additional information, please refer to the conference Web site: <http://www.dao.ua.pt/itm>. (7/05)

Announcement

Seventh International Symposium on Tropospheric Profiling: Needs and Technologies (ISTP), 11–17 June 2006, Boulder, CO

The 7th International Symposium on Tropospheric Profiling (ISTP) will be held 11–17 June 2006 in Boulder, Colorado, USA. The meeting will follow the traditional approach that has made the ISTP meetings productive and popular over the years - broad representation of technologies to profile wind, water vapor, temperature, and trace gases, focused areas such as new instruments, algorithms, and data assimilation, keynote talks on timely topics, ample time for discussion throughout the week, and grand plans for the social program in the Rocky Mountain foothills.

For more information please contact istp2006@atd.ucar.edu or check the meeting web page at <http://www.atd.ucar.edu/istp2006/index.html> (8/05)

Call for Papers

International Symposium for the Advancement of Boundary Layer Remote Sensing, 17–20 July 2006, Garmisch-Partenkirchen, Germany

The International Symposium for the Advancement of Boundary Layer Remote Sensing formerly: International Symposium on Acoustic Remote Sensing of the Atmosphere and Oceans (ISARS) will be held 17–20 July 2006 in Garmisch-Partenkirchen, Germany.

Remote sensing has become a powerful tool to investigate (thermo)dynamic and air quality parameters throughout the depth of atmospheric and oceanic boundary layers. These measurement techniques contribute to the physical understanding of flowing media as well as to the assessment of the state of our environment.

The series of ISARS Symposia has accompanied these efforts since the first symposium in Calgary, Canada, in 1981, focusing on the theory and application of acoustic sounding techniques within the atmospheric boundary layer. During this period optical and electro-magnetic remote sensing techniques have also become increasingly refined for boundary layer applications and a range of remote sensing tools are now available having similar objectives and challenges.

Therefore ISARS has widened its scope and invites contributions related to all kinds of boundary layer remote sensing techniques (horizontally and vertically). ISARS continues to be an opportunity that brings together theoreticians, practitioners, and instrument designers, builders, and distributors. The symposium will be a forum for single-session oral presentations, for posters, and for the display of instrumentation. Keynote talks may introduce into the sessions. The deadline for abstracts is 31 January 2006.

For additional information, please contact Stefan Emeis (e-mail: stefan.emeis@imk.fzk.de) Web site: <http://www.sodar.co.uk/ISARS2004.html> (06/05)