

Updated: 11 April 2005

Red = New announcement or call

Blue = Revised announcement or call

2006 ANNUAL MEETING

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 \$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 Forum please contact the program chairpersons, Steven Hanna (shanna@hsph.harvard.edu) or Sue Grimmond (grimmon@indiana.edu). (1/05)

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

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 \$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 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)

Announcement

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 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. Additional information will be published in a future issue of the *Bulletin of the American Meteorological Society*.

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)

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 \$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 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) for Meteorology, Oceanography, and Hydrology, 29 January–2 February 2006, Atlanta, Georgia

The 22d Conference on Interactive Information Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, 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 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 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; Cyberinfrastructure, Internet and Grid Applications; and Advances and Applications in Transportation Weather, Surface and Aviation.

The 22d IIPS 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 \$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 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, Terry C. Tarbell, RS Information Systems (RSIS), (tel: 703.734.7800; e-mail: ttarbell@rsis.com) or Linda Miller, UCAR, (tel: 303-497-8646; e-mail: lmiller@ucar.edu.) (1/05)

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 \$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 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.

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 \$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 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)

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 \$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 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 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 \$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 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 \$60 (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: 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, 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 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-sea

interaction across a wide spectrum of time and spatial scales. In addition to the general sessions, special sessions are planned for recent field experiments such as CBLAST, for scatterometry and space-based fluxes, for the role of air-sea interaction in monsoon variability and predictability, and for air-sea interaction in tropical cyclones and intraseasonal oscillations. Moreover, a special session is planned on air-sea fluxes of CO₂ and the implication for climate change, which will be held in conjunction with the first forum mentioned above. Joint sessions are planned with the 14th Conference on Satellite Meteorology and Oceanography. Participants with additional suggestions for special/joint sessions are encouraged to contact the program chairpersons. To encourage the interdisciplinary interaction among participants of the conference and the annual meeting, an invited talk as an introduction overview is planned for each session.

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.

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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)

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.

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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.

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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 \$60 (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 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/-5)

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 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 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. 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.

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.

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

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.

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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

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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.

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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, Bob McCoy, (703-696-8699; email: mccoynr@onr.navy.mil) or Genene Fisher (202-737-9006 ext 422; email: fisher@dc.ametsoc.org) (1/05; 5/05)

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 \$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 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 \$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.

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

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 \$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. 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)