

CALL FOR PAPERS

ANNOUNCEMENT

18th Presidential Forum: Transforming Communication in the Weather, Water, and Climate Enterprise—Focusing on Challenges Facing Our Sciences, 7 January 2018, Austin, Texas

We are excited to announce the keynote speaker for the upcoming 98th Annual Meeting will be renowned glaciologist and climate scientist Richard Alley, who serves as the Evan Pugh Professor of Geosciences at Penn State University. He will be speaking during the Presidential Forum.

Sharing what we learn with the public is no longer merely optional; it is an imperative. Dr. Alley will address how we can meet this challenge. He contends that making scientific knowledge actionable for policymakers and the public requires building broad understanding of science. Scientists' voices are essential but insufficient. We need to include the voices of military leaders, farmers, and businesspeople, as well as artists, teachers, medical experts, and more. In recent years, AMS, its members, and the weather, water, and climate community have been leaders in improving communications. These successes create urgency for us to continue, because we now have the attention of so many.

Dr. Alley has appeared on a number of television programs and has authored or coauthored more than 200 articles. He also contributed to the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report, which shared the 2007 Nobel Prize with Al Gore. Dr. Alley has provided testimony numerous times to both the U.S. Senate and the House of Representatives.

Meeting attendees should note that this year's annual meeting will

hold the Presidential Forum on Sunday, 7 January 2018 at 4:00p.m., not on Monday morning, as has been the case in previous years. For more information, visit <https://annual.ametsoc.org/2018/>. (9/17; r10/17)

CALL FOR PAPERS

12th Symposium on Fire and Forest Meteorology, 15–18 May 2018, Boise, Idaho

The 12th Symposium on Fire and Forest Meteorology sponsored by the American Meteorological Society and organized by the AMS Committee on Agricultural and Forest Meteorology, will be held at the Boise Centre in downtown Boise (<https://boisecentre.com/>). It will be concurrent with the 33rd Conference on Agricultural and Forest Meteorology and the Fourth Conference on Atmospheric Biogeosciences.

The theme of the symposium will be research, new techniques and technologies and/or changes in the areas of but not limited to the following:

- utilization of weather and climate information in relation to wildland fire;
- operational forecasting (short- to long-term) of fire weather;
- model studies and development, including theoretical models, coupled fire–atmosphere models, and mesoscale models;
- use and assessment of meteorological information in fire management planning;
- decision support tool development;
- smoke modeling, management, and mitigation;
- improvements to fire danger and fire behavior systems that utilize meteorology; and
- field studies of fire-atmosphere interactions.

Please submit your abstract electronically by 19 January 2018 (for instructions, refer to <http://www.ametsoc.org>). An abstract fee of \$95 (payable by credit card or purchase order) is charged at the time of submission (refundable only if the abstract is not accepted). Authors of accepted presentations will be notified by the end of February. Authors of invited and accepted papers will be asked to contribute to the web-based proceedings of the symposium by submitting an extended abstract. Instructions for formatting extended abstracts will be posted on the AMS conference website. Extended abstracts (file size up to 10 MB) must be submitted electronically by 15 June 2018. All abstracts, extended abstracts, and presentations will be made available on the AMS website.

For further program information contact either one of the program co-chairpersons: Tim Brown, Desert Research Institute, 2215 Raggio Parkway, Reno, NV 89512-1095 (tel.: 775-674-7090; fax: 775-674-7016; email: tbrown@dri.edu) or Brian Potter, Forestry Sciences Lab, 400 N 34th St., Suite 201, Seattle, WA 98103 (tel.: 206-732-7828; fax: 206-732-7801; email: bpotter@fs.fed.us). (10/18)

CALL FOR PAPERS

23rd Symposium on Boundary Layers and Turbulence, 11–15 June 2018, Oklahoma City, Oklahoma

The 23rd Symposium on Boundary Layers and Turbulence (BLT), sponsored by the AMS and organized by the AMS Committee on Boundary Layers and Turbulence, will be held at the Renaissance, Oklahoma City hotel. A preliminary program, registration, hotel, and general information will be posted on the AMS website (<http://www.ametsoc.org>) in September 2017.

The conference will be held in conjunction with AMS 21st Conference on Air–Sea Interaction (ASI). Joint sessions will be held on topics associated with renewable energy, trace gas exchange, and coastal and high-latitude environments.

Papers and posters are invited on all subjects dealing with atmospheric boundary layers and turbulence, including observational, modeling, theoretical, and applied studies. In particular, we anticipate that dedicated sessions will be organized for the following themes:

- boundary layer processes, observations and modeling related to renewable energy applications (joint with ASI);
- exchange of trace gases (CO₂, H₂O, etc.) between the land/sea surface and the boundary layer (joint with ASI);
- the coastal environment (joint with ASI);
- high-latitude air–sea interaction, including air–sea–ice interaction (joint with ASI);
- boundary layer clouds;
- modeling and observations in heterogeneous and/or complex terrain;
- modeling and observations in urban areas;

- modeling and observations over vegetated canopies;
- boundary layer parameterizations in models at all scales;
- theoretical and practical issues associated with multi-scale simulations;
- unsteady boundary layer behavior; and
- recent field experiments (WFIP 2, Perdigo, LABLE, etc.).

Participants with additional suggestions for general, special, or joint sessions are encouraged to contact the program chairpersons.

A field trip to the National Weather Center in Norman will be arranged for interested participants. An alternative option to visit the Atmospheric Radiation Measurement (ARM) Program’s Southern Great Plains (SGP) site may be made available pending sufficient interest.

Please submit your abstract electronically by 12 February 2018 (refer to http://www.ametsoc.org/meet/online_submit.html). An abstract fee of \$95 (payable by credit card or purchase order) is charged at the time of submission (refundable only if abstract is not accepted). The \$95 abstract fee includes the submission of your abstract, the posting of your extended abstract, and the uploading and recording of your presentation,

which will be archived on the AMS website.

The BLT conference will host a student competition and award exemplary poster and oral presentations. A limited number of student travel awards are also available. The deadline to apply for a student travel award is 6 April 2018. Students are asked at the time of the abstract submission if they want to be considered for awards or travel support and may be asked to submit a note of justification for funds and provide a letter of support from their primary advisor.

Authors of accepted presentations will be notified via email by mid-March 2018. All extended abstracts are to be submitted electronically and will be available online. Instructions for formatting extended abstracts will be posted on the AMS website. Authors have the option to submit extended abstracts (up to 10 MB) electronically by 13 July 2018. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost.

For additional information please contact program chairpersons: Jeff Mirocha (email: jmirocha@llnl.gov), Petra Klein (email: pkklein@ou.edu); Will Anderson (email: william.anderson@utdallas.edu), or Julie Lundquist (email: julie.lundquist@colorado.edu). (10/18)

STUDENT TRAVEL GRANTS

Student Travel Grants are available for senior undergraduate and graduate students to attend AMS meetings held in the United States and Canada. The travel grants are available only to members, including student members, of the AMS.

AMS recognizes the considerable benefit that students can gain from attending conferences even if they are not presenting a paper there, and AMS wants to encourage interactions between students and other conference attendees. To this end, travel grants will be awarded to a student who is not presenting a paper at the conference.

Students who are presenting papers and potentially in need of travel support should inquire of the program chair whether any funds will be available for this purpose.

For more information and to complete an application form, please visit the AMS website at www.ametsoc.org.

CALL FOR PAPERS

21st Conference on Air-Sea Interaction, 11–15 June 2018, Oklahoma City, Oklahoma

The 21st Conference on Air-Sea Interaction is sponsored by the American Meteorological Society and organized by the AMS Committee on Air-Sea Interaction (<http://www.ametsoc.org/stacpges/seaatmos/index.html>). Preliminary programs, registration, hotel, and general information will be posted online (<http://www.ametsoc.org/AMS>) in September 2017. The conference will be held in conjunction with the AMS 23rd Symposium on Boundary Layers and Turbulence (BLT). Joint sessions will be held on topics associated with renewable energy.

Papers and posters for this conference are solicited on all aspects of air-sea interaction across a wide spectrum of temporal and spatial scales. General sessions for the conference will be based on the number and topics of abstracts received. A plenary session will be held to introduce the conference. Although not an exhaustive list, we welcome abstracts covering the following topics:

- high-latitude air-sea interaction, including air-sea-ice interaction (joint with BLT);
- boundary layer processes, observations, and modeling related to renewable energy applications (joint with BLT);
- the coastal environment;
- exchange of trace gasses (CO₂, H₂O, etc.) between the land/sea surface and the boundary layer (joint with BLT);
- air-sea interaction under high wind speed conditions;
- sea surface processes, including waves, spray, bubbles, and aerosols;
- the role of air-sea interaction in climate variability and change;

- air-sea flux measurements, datasets, and applications; and
- recent field experiments.

Participants with additional suggestions for general, special, or joint sessions are encouraged to submit their suggestions. The deadline for session topic proposal submission is 11:59 pm EST on 18 December 2017. Please follow the instructions on the conference web page to submit suggestions.

The Air-Sea Interaction Conference will host a student paper competition and make awards for exemplary student poster and oral presentations. A limited number of student travel awards will also be made available. The deadline to apply for student travel awards is 6 April 2018.

Please submit your abstract electronically by 12 February 2018 (refer to <http://ams.confex.com/ams/>). An abstract fee of \$95 (payable by credit card or purchase order) is charged at the time of submission (refundable only if the abstract is not accepted). This fee will also cover the submission of your extended abstract and the uploading and recording of your presentation: both of which will be archived on the AMS website and available to all at no cost. There is also no cost for color graphics in the abstract or the extended abstract. Authors of accepted presentations will be notified (via email) in mid-March 2018. Instructions for formatting extended abstracts will be posted on the AMS website. All abstracts, extended abstracts, and presentations will be available on the AMS website at no cost to viewers. Details on poster presentations will be available once the program has been finalized.

For additional information, please contact meeting organizer Henry Potter (email: hpotter@tamu.edu) or one of the meeting co-organizers, Jason Roberts (email: jason.b.roberts@nasa.gov), Heather Holbach (email:

hmh06d@my.fsu.edu), or Young-Oh Kwon (email: yokwon@whoi.edu). (10/17)

CALL FOR PAPERS

29th Conference on Severe Local Storms, 22–26 October 2018, Stowe, Vermont

The AMS Short Course on Using The 29th Conference on Severe Local Storms (SLS29), sponsored by the AMS and organized by the AMS Committee on Severe Local Storms, will be held at the Stoweflake Mountain Resort & Spa. Basic hotel and travel information will appear on the AMS website soon. The full conference program, registration, and general information will appear on the AMS website (<https://www.ametsoc.org/ams/index.cfm/meetings-events/upcoming-meetings/>) by November 2018.

The theme for the meeting is “Bridging the Gap between models and observations at the frontier of severe storms science.” Oral and poster presentations are solicited on all topics related to severe local storms and associated hazards of tornadoes, large hail, damaging winds, lightning, and flash floods. Presentations pushing the boundaries of our fundamental physical understanding of severe convective storms through synergies of cutting-edge observations, analysis tools, and numerical modeling are particularly encouraged. Presentations on the following scientific themes are solicited:

- supercells: theoretical, modeling, and/or observational studies of supercell storms; studies relating to supercell structure, dynamics, microphysics, and hazard production;
- mesoscale convective systems: theoretical, modeling or observational studies of mesoscale convective systems (MCCs, MCSs, QLCSs, squall lines, bow echoes,

- etc.) and studies relating to their structure, dynamics, microphysics, and hazard production;
- tornadoes: theoretical, modeling, or observational studies of processes associated with genesis and dissipation of tornadoes; tornado dynamics; tornadogenesis failure; discrimination of tornadic and nontornadic storms; tornado detection; damage assessment;
 - hail: theoretical, modeling, and/or observational studies of hail formation, growth, and melting; severe hail detection and sizing; physical properties of hailstones;
 - severe local wind: theoretical, modeling, and/or observational studies of severe convective winds; processes associated with severe wind production; detection;
 - lightning: theoretical, modeling, and/or observational studies of lightning; processes associated with the production of lightning; lightning properties; detection techniques;
 - flash flooding: theoretical, modeling, and/or observational studies of flash flooding events, including hydrometeorological impacts of severe local storms;
 - advanced data assimilation and forecasting of severe convective weather: advanced data assimilation or other numerical techniques for the analysis and prediction of convective storms and their hazards, operational forecasting products and prediction systems, severe storms forecasting; and
 - societal impacts of and responses to severe local storms: understanding the social impacts of high-impact severe storm events, societal resiliency and response to severe local storms, warning communication, the role of social media in severe storms research and communication; and
 - climatologies and climate impacts of severe local storms: novel techniques to assess regional or global climatologies of severe convective storms and their associated hazards, the impact of changing climate on severe storm environments, severe storm hazard databases, orographic/regional/local influences on severe storm environments.
- Students are strongly encouraged to submit oral and poster presentations. Monetary awards will be given for the best oral and poster presentations by first-time student presenters at SLS29. Registrants should indicate their eligibility for student awards when submitting their abstracts. More information on funding opportunities for student travel will be made available soon in a separate announcement. Special sessions and events are being planned with a focus on student involvement in severe storms research and operations.
- Please submit your abstract electronically (at <http://ams.confex.com/ams/>) by the deadline date of 15 June 2018. An abstract fee of \$95 (payable by credit card or purchase order) is required at the time of submission.

Please note that some abstracts may not be accepted, depending on program constraints, relevance, and merit of subject matter. In such cases the abstract fee will be refunded. Authors may indicate their preference for an oral or poster presentation during abstract submission: those authors presenting more than one paper should clearly indicate which they prefer for a possible oral presentation. Oral presentation slots will be very limited; thus, authors may only request one oral submission but are welcome to present multiple posters.

Authors of accepted presentations will be notified via email by mid-July 2018. These authors are strongly encouraged to submit an extended abstract (at no extra cost) electronically prior to the start of the conference, but manuscripts will be accepted through the electronic submission system through 23 November 2018. Instructions for formatting extended abstracts (PDF format, up to 10 MB in size) will be posted on the AMS website. All abstracts, extended abstracts, and presentations will be available on the AMS website at no additional cost.

For additional information please contact either of the program chairs, Terra Ladwig, Earth Systems Research Laboratory Global System Division, 325 Broadway, Boulder, CO 80305 (email: terra.ladwig@noaa.gov) or Matt Kumjian, The Pennsylvania State University Department of Meteorology and Atmospheric Science, 502 Walker Building, University Park, PA 16802 (email: kumjian@psu.edu). (10/17)