

**Atmospheric Optics:  
Aerosols, Visibility, and the Radiative Balance**  
**A&WMA Visibility Specialty Conference**  
**Snow King Hotel, Jackson Hole, WY**  
**September 27-30, 2016**

**Call for Abstracts**

This international conference will provide a technical forum on advances in the scientific understanding of the effects of aerosols on urban, regional, continental, and global-scale haze and the radiative balance. The conference will take a multipronged approach by encouraging scientific submissions (e.g., related to measurements, modeling, etc.) as well as submissions addressing regulatory and policy issues. The complete list of topics is provided below. We would like to highlight two planned session topics. The first will be sessions on black and brown carbon, as recent research has shown the importance of these particles for radiative forcing. Second, there will be sessions related to the synergistic and increasing concerns of the effects of atmospheric nitrogen and carbonaceous material on haze, climate change, and nitrogen deposition on ecosystems. In addition, panel sessions related to current hot topics will also be developed closer to the conference date. Two or more professional courses, designed to provide both a technical foundation and a timely refresher, will be offered onsite prior to the conference on September 26, 2016. There is also a photo contest planned, as well as a mid-conference field trip to the Grand Teton National Park Class I area and an associated night sky program.

**Abstract Submittal**

The areas of interest to the conference are listed below. Abstracts of 400–500 words must be submitted by **May 2, 2016**, to Tracy Fedkoe ([tfedkoe@awma.org](mailto:tfedkoe@awma.org)) and follow the Abstract Style Guide found at <http://visibility.awma.org>. The abstract must include the name and affiliation of each author and indicate the presenting author. Abstracts may be submitted as either a Word, WordPerfect, or pdf file. In addition to the abstract, please indicate the following in your submittal e-mail: 1) name, phone number, and e-mail of corresponding author, 2) topic area to which you are submitting, as listed in the bullets below, 3) presentation preference (poster or platform), 4) if the abstract was solicited by a member of the conference steering committee, and if so, by whom. Authors will receive a confirmation of receipt of the abstract. If submitting more than one abstract, please indicate which one is your highest preference for platform presentation, as the anticipated number of submissions will limit the total number of platform presentations possible.

Presentations are invited on atmospheric optical properties, visibility, radiative forcing, aerosols,

and climate and the related air pollutants. Specific topics may include:

- Observational Studies
  - Field Studies and Monitoring Networks
  - Aerosol, Optical, and Radiometric Monitoring Methods
  - New Instruments and Techniques
  - Measurement of Secondary Aerosols
  - Satellite and other Remote Sensing Applications to Haze/Aerosol Monitoring
  - Relating Ground-Based and Satellite Measurements
  
- Characterizing Visual Air Quality
  - Aerosol – Optical Relationships
  - Human Perception of Visibility
  - Optical Properties of Bioaerosols
  - Trends in Visual Air Quality, Aerosols, and Aerosol Precursors
  - Assessment of Aerosols and Haze from Natural and Anthropogenic Sources
  - Modeling Aerosol and Visibility at Global, Regional, and Local Scales
  
- Global Aerosol Radiative Effects
  - Effects of Aerosols on the Radiative Balance
  - Sources and Effects of Light Absorbing Carbonaceous Aerosols
  - Modeling of Global Radiative Effects
  
- Particle and Precursor Emissions and Ambient Effects
  - Aerosol Nitrogen – Bridging Visibility, Ecological, and Agricultural Issues
  - Dust Aerosol Events
  - Trends in Emissions of Aerosols and Precursors
  - Potential Improvements in Visibility from the New Ozone Standard
  - Winter Ozone and Particle Production in Western Oil and Gas Fields
  - Visibility as an Indicator of Human Health Effects
  - Impacts of Visibility Related Air Pollution
  - Modeling of Aerosol Processes
  
- Policy, Regulatory, and Economic Issues
  - Trends and Effects of the Regional Haze Rule
  - Regional Haze Rule and 2018 Planning Milestones to Achieve the U.S. National Visibility Goal
  - New Regional Haze Policy
  - Implementation of the U.S. EPA SO<sub>2</sub>/NO<sub>x</sub> Secondary National Ambient Air Quality Standard(s), Critical Loads, and Atmospheric Deposition

- Effects of Changes in Energy Supply Sources on Visibility and Aerosol Climate Forcing

Authors will be notified of abstract acceptance and presentation platform by **July 6, 2016**. Final abstracts for inclusion in the online proceedings to be made available before the conference are due by **August 22, 2016**. Receipt of the final abstract is a mandatory prerequisite for either platform or poster presentation at the conference. Presentations or posters presented at the conference will be included in the online conference proceedings to be made available to all participants approximately a month after the conference.

It is anticipated that selected, peer-reviewed full manuscripts submitted within one month after the conference will be published in a future issue of the *Journal of the Air & Waste Management Association*. However, as described in the *Journal's* Publication Policy (<http://www.awma.org/publications/journal/submit-a-manuscript>), submission of a manuscript implies that the work described has not been published (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; and that its publication has been approved by all coauthors and the responsible authorities at the institute where the work was conducted. Submission also implies that the authors have already obtained all necessary permissions for the inclusion of copyrighted materials, such as figures and tables from other publications.

## **Exhibit**

An exhibit area will be available in the break area and near the poster sessions. Interested parties should contact Dorothy Chmiel, A&WMA Conference & Events Manager, +1-412.904.6030 or email at [dchmiel@awma.org](mailto:dchmiel@awma.org).

## **About the Venue**

The conference will be held at the Snow King Hotel ([http://www.snowking.com/jacksonhole\\_hotels/](http://www.snowking.com/jacksonhole_hotels/)) in Jackson Hole, Wyoming. The area has spectacular scenery and is within minutes of the Class I visibility protected area of Grand Teton National Park. Opportunities for outdoor activities are abundant, and the south entrance to Yellowstone National Park is just over an hour away. Organized field trips during an afternoon respite from the presentations will provide an opportunity for informal discussions on conference topics.

## **More Information**

Bookmark <http://visibility.awma.org> for more details, including the photo contest and the mid-conference field trip and night sky program.