

APRIL
20-24
2020

THE 3RD INTERNATIONAL

#ISS3

smoke

SYMPOSIUM

RALEIGH, NORTH CAROLINA AND UNIVERSITY OF CALIFORNIA, DAVIS, USA

CALL FOR PRESENTATIONS

Welcome to the 3rd International Smoke Symposium (ISS3). Building on the previous two successful editions, this symposium is a venue and international nexus for sharing the latest developments in research, management, and policy around the important topic of wildland fire smoke from wildfires, rangeland fires, and prescribed burns.

This symposium is targeted towards researchers and practitioners with expertise in a range of wildland fire smoke topic areas including: air quality monitoring and/ or regulation, land management, fire responders, extension mechanisms, public health, fire weather, climate change and forecasting, among others.

Using a unified track to enable full participation and maximize engagement, ISS3 will have presentations delivered from both Raleigh, North Carolina and from the University of California Davis. This climate-friendly conference format will ensure broad audience participation and access to world-renown wildland fire smoke experts.

Presentations will be live-streamed, professionally videotaped, and made available through the symposium website for at least a year. ISS1 and ISS2 set a very high standard for successful and fully interactive virtual capability. Our goal is that, in addition to providing training and education, ISS3 will enable a global conversation that facilitates knowledge sharing among the variety of experts in geographical, topical, and practice-specific facets of wildland fire smoke.

Participants will discuss how the state-of-the-science is evolving, including the latest advances. We will explore how scientific information is being put to practical use in the field and utilized in improved public policy, as well as the limits of our current understanding.

We are seeking Oral Presentations and Poster Presentations for both the Raleigh and Davis venues on topics listed below. In addition to a full suite of scientific talks, ISS3 will debut a feature set of Ignite Talks aimed at a broader audience and made available via the web.

IGNITE TALKS:

- Talks of broad interest across any or all of the session topics below.

ORAL AND POSTER PRESENTATIONS:

- **Observations**
 - Smoke Chemistry and Measurement
 - Emerging Air Quality Sensors, Networks and Real-time Information
- **Smoke Modeling**
 - Dispersion and Transport Modeling
 - Air Quality Models for Smoke
 - Data Fusion Techniques, Applications



International
Association
of Wildland Fire

UCDAVIS
AIR QUALITY
RESEARCH CENTER



- **Climate Change**
 - Climate Modeling and Climate Change Impacts
- **Emissions:**
 - Fire Activity, Emissions Factors, and Emission Inventories
 - Smoke from Biomass and Human Structures
- **Impacts:**
 - Estimating individual and population smoke exposure
 - Wildland/Bushfire Fire Personnel Exposure
 - Public health impacts of smoke (e.g., respiratory, cardiovascular, mental health)
 - Public health interventions for smoke
 - Communicating smoke impacts
 - Economic impacts of smoke
 - Occupational Health (e.g., Wildland Firefighters, outdoor workers)
 - Smoke Hazard Warning and Monitoring Systems
- **Smoke Management:**
 - Remote Sensing and Tools for Smoke Management
 - Smoke Management and Mitigation
 - Smoke Ready Community Efforts
 - Short/Long Term Tradeoffs Between Rx Fire & Wildfire/Bushfire
 - Global Fire Smoke Issues
 - Differences Between Prescribed Fire & Wildfire/Bushfire in Smoke

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CALL FOR PRESENTATIONS

TYPES OF PRESENTATIONS

ORAL PRESENTATIONS

[12 minutes + 3 minutes for Q&A]. These presentations will be grouped with presentations of similar topic and we may organize a panel discussion or additional Q&A time at the end of the session.

POSTER PRESENTATION

Will be presented during a designated session, presenters are required to be present during the session.

IGNITE TALKS

Strict 5-minute limit with a maximum of 20 slides]

SPECIAL SESSIONS

2 hours each, we will have limited space for special sessions however we encourage focus on recent scientific field campaigns such as FASMEE, WE-CAN and FIREX-AQ.

When submitting proposals, you will have the opportunity to select the location in which they plan to attend. We have selected two locations and the hybrid conference to accommodate as many people as possible. The larger venue is located in Raleigh, Carolina with multiple concurrent sessions. We acknowledge travel limitations, restrictions and constraints due to budgets, bans and environmental choices.

PUBLICATIONS: All authors will be invited to submit an extended abstract or full paper to the Symposium Proceedings, as well as to Special Issues in multiple Scientific Journals.

SYMPOSIUM OBJECTIVES

- 1 | Create an international forum to discuss complex smoke and human health issues surrounding both wildland fire.
- 2 | Identify research gaps and priorities for smoke science and air quality communities to address and meet contemporary challenges regarding public health, transportation safety, fire personnel exposure and changes in climate.
- 3 | Increase awareness of ongoing smoke science research for professionals engaged in fire activities, air quality management, resource stewardship, military land-use activities, and emergency services.
- 4 | Provide innovative training opportunities for managers and operational professionals through a virtual platform.
- 5 | Showcase contemporary science and technologies to promote pioneering management and policy strategies.
- 6 | Raise awareness of the global diversity of approaches, issues, ideas and mitigation strategies in fire behavior and smoke management as they pertain to ecological concerns, social perceptions, and economic issues.

Deadline for submissions: December 20, 2019.

submit your proposal online

<https://www.iawfonline.org/event/3rd-international-smoke-symposium/>

