MAC-MAQ

Meteorology And Climate - Modeling for Air Quality

Conference

September 13-15, 2023

Registration Opens on June 1st

This year's MAC-MAQ Conference will be a hybrid event, with opportunities to attend either in-person and virtually. Mark your calendars! Registration will be available starting on June 1st via the Conference website.

Registration Type	Dates
Early Bird Registration	June 1st - July 31st
General Registration	August 1 - August 31st
Late Registration	September 1st - September 13th

Save money by registering early! View the website for more information on registration rates.

Registration Information

Conference Registration Includes:
- Admission to all sessions
- Full access to the virtual platform
- Networking opportunities to connect with colleagues
- Digital copies of approved PPT slide decks
- In-Person Only:
  - Printed program
  - Light breakfast, coffee breaks, and lunch on Wednesday and Thursday
  - Welcome Reception with small snacks and a complimentary drink ticket *(wine, beer, and soda only)*
  - <u>Additional Networking Opportunities</u>

Program Highlights:
Keynote Presentations

In addition to our comprehensive general sessions, we are pleased to welcome two keynote talks during this year's program. Read more about the keynotes below!

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Linking Data with Decision-Making for Air Quality

Environmental managers have long relied on atmospheric models and in situ measurements to support decision-making under the Clean Air Act. Today an even wider audience of policy, planning, and advocacy organizations are interested in air quality data to support climate action, environmental justice, emergency response, and other decision needs. By collaborating with these user communities, atmospheric scientists can expand the impact of existing knowledge, data, and tools. Growing the impact of science is the core mission of the NASA Health and Air Quality Applied Sciences Team, a major science applications and engagement effort over the past 10 years. Lessons learned from leading this NASA team will be discussed, and extended to broader applications of atmospheric models for applied problem-solving. Atmospheric models play an important role interpreting satellite data, connecting emissions and impacts, and answering "what if?" questions relevant to policy and planning. Traditional scientific frameworks are evolving to better support engagement and to expand the benefits of science to new issues and communities. Still, challenges remain, especially for early-career scientists balancing academic milestones with "real-world" engagement and societal impact.

Presented by Tracey Holloway, *University of Wisconsin, Madison*

Read more about Tracey Holloway

Pathways to advance wildfire smoke predictions

Smoke from biomass burning can generate a variety of impacts, including visibility issues, negative health effects on population, and meteorology and climate change effects. Air quality models can be used to predict smoke and its impacts; however, they can be highly uncertain. This presentation will show recent work identifying some of the existing gaps affecting predictions including topics of smoke emissions, vertical distribution, and aging. Observational evidence from ground-based networks, satellite retrievals and airborne field campaign data are heavily used, including the development of new derived products, and evaluation of novel observations. Potential pathways for model improvement will be shown and discussed.

Presented by Pablo Saide, *UCLA*

Read more about Pablo Saide

Hotel Information

Davis is in the heart of Northern California. Being within 2.5 hours of any type of climate and landscape you want, it's an incredible place to visit.

We've partnered with two local hotels to offer group rates for conference attendees. **State and federal rates are available while supplies last** .

Aggie Inn

245 1st St, Davis, CA 95616

Federal Rate Rooms: $133/night
General Rate Rooms: $152/night

Rates Expire on August 11th

University Park Inn & Suites

1111 Richards Blvd, Davis, CA 95616

State Rate Rooms: $90/night
General Rate Rooms: $129/night

Rates Expire on August 11th

Thank you to our Sponsor, CARB

We appreciate your continued sponsorship of this educational conference.

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Questions? Contact the Conference Manager, Olivia Schlanger at oschlanger@ucdavis.edu.