

MAC-MAQ

Meteorology And Climate - Modeling for Air Quality

Conference

September 13-15, 2023

Announcing the Podium Speakers

We are very excited to welcome 2 keynotes and 36 distinguished podium speakers from around the world - who will be sharing their work, research, and expertise with attendees during this year's three-day conference program.

Take a look at who is presenting and learn more about the program below!

Breakthrough Innovations in Atmospheric & Air Quality Modeling

Session Speakers:

- Kiran Alapaty, *US EPA*
- Cesunica Ivey, *University of California Berkeley*
- Makoto Kelp, *Harvard University* (Invited Speaker)
- Marcela Loria-Salazar, *School of Meteorology, University of Oklahoma*
- Domingo Muñoz-Esparza, *National Center for Atmospheric Research* (Invited Speaker)
- Obin Sturm, *University of Southern California*

[Review Session Abstracts](#)

Composition and Operational Forecasting from Daily to Seasonal Scales

Session Speakers:

- Ravan Ahmadov, *NOAA/GSL*
- Arthur Mizzi, *NASA Ames Research Center, NOAA Chemical Systems Laboratory, and University of Colorado at Boulder Mechanical Engineering*
- Gabi Pfister, *National Center for Atmospheric Research (NCAR)*
- Ivanka Stajner, *NOAA CEP EMC* (Invited Speaker)

- Craig Stroud, *Environment and Climate Change Canada* (Invited Speaker)
- Chien Wang, *LAERO, CNRS/UPS*

Review Session Abstracts

M3: Merging Measurements & Models

Session Speakers:

- Alexander Archibald, *University of Cambridge & NCAS-Climate*
- David Fillmore, *National Center for Atmospheric Research* (Invited Speaker)
- Zhen Liu, *California Air Resources Board*
- Kazuyuki Miyazaki, *NASA Jet Propulsion Laboratory* (Invited Speaker)
- Sean Raffuse, *UC Davis Air Quality Research Center*
- Jonathan Wynn Smith, *NOAA/GFDL*
- Beiming Tang, *University of Iowa* (Invited Speaker)

Review Session Abstracts

Meteorology-Chemistry Coupling, Feedbacks, and Interactions

Session Speakers:

- Meiyun Lin, *National Oceanic and Atmospheric Administration* (Invited Speaker)
- Allison Steiner, *University of Michigan* (Invited Speaker)
- Njie Teeda, *Federal University of Technology, Akure, Nigeria*
- Qindan Zhu, *Massachusetts Institute of Technology*

Review Session Abstracts

Modeling of Processes Across Multiple Scales

Session Speakers:

- Yang Li, *Baylor University* (Invited Speaker)
- Joao Teixeira, *JPL/Caltech and UCLA*
- Jordi Vilà-Guerau de Arellano, *Wageningen University* (Invited Speaker)
- Chi-Tsan Wang, *George Mason University*

Review Session Abstracts

Unique/Extreme Events and their Impacts on Meteorology and Air Quality

Session Speakers:

- Peter Colarco, *NASA GSFC*
- Jenny Hand, *Cooperative Institute for Research in the Atmosphere, Colorado State University* (Invited Speaker)
- Andrew Langford, *NOAA Chemical Sciences Laboratory*
- Sarah Lu, *JCSDA & UAlbany*
- Derek Mallia, *University of Utah*
- Gloria Manney, *NorthWest Research Associates & NM Tech*
- Tsengel Nergui, *Lake Michigan Air Directors Consortium*
- Holly Oldroyd, *University of California, Davis*
- Dave Peterson, *Naval Research Laboratory* (Invited Speaker)

Review Session Abstracts

Wednesday Keynote:

Linking Data with Decision-Making for Air Quality

By Tracey Holloway, *University of Wisconsin, Madison*

Review Keynote Abstract

Thursday Keynote:

Pathways to advance wildfire smoke predictions

By Pablo Saide, *UCLA*

Review Keynote Abstract

Schedule Overview

Take a look at the preliminary Conference schedule below!

Tuesday, September 12

Early Career Networking Happy Hour in Downtown Davis (*Pre-Conference Event*) [Additional details available here.](#)

Wednesday, September 13

7:00 AM Registration Opens & Continental Breakfast Served

8:00 AM Conference Welcome & Opening Remarks

- 8:10 AM Keynote Presentation: Linking Data with Decision-Making for Air Quality by Tracey Holloway
- 9:15 AM Morning Break
- 10:00 AM Session: Meteorology-Chemistry Coupling, Feedback, and Interactions
- 11:15 AM Transition
- 11:25 AM **Lighting Talk Presentations (Part 1)**
- 11:50 AM Lunch Break
- 1:00 PM Session: Composition and Operational Forecasting from Daily to Seasonal Scales (Part 1)
- 2:00 PM Transition
- 2:10 PM **Lighting Talk Presentations (Part 2)**
- 2:40 PM Afternoon Break
- 3:25 PM Session: Composition and Operational Forecasting from Daily to Seasonal Scales (Part 2)
- 4:25 PM Transition
- 4:35 PM **Lighting Talk Presentations (Part 3)**
- 5:10 PM Welcome Reception and Poster Review
- 7:10 PM Conference Day 1 Concludes

Thursday, September 14

- 7:00 AM Registration Opens & Continental Breakfast Served
- 8:00 AM Session: M3: Merging Measurements & Models (Part 1)
- 9:15 AM Transition Break
- 9:25 AM Session: M3: Merging Measurements & Models (Part 2)
- 10:25 AM Morning Break
- 11:00 AM Session: Modeling of Processes Across Multiple Scales
- 12:15 PM Lunch Break
- 1:25 PM Keynote Presentation: Pathways to advance wildfire smoke predictions by Pablo Saide
- 2:30 PM Afternoon Break
- Session: Breakthrough Innovations in Atmospheric & Air Quality Modeling (Part 1)
- 3:00 PM
- 4:00 PM Transition
- 4:10 PM Session: Breakthrough Innovations in Atmospheric & Air Quality Modeling (Part 2)
- 5:10 PM End of Day Remarks

Friday, September 15

- 7:00 AM Continental Breakfast Served
- 8:00 AM Session: Unique / Extreme Events and their Impacts on Meteorology and Air Quality (Part 1)
- 9:30 AM Break
- 10:15 AM

Session: Unique / Extreme Events and their Impacts on
11:50 AM Meteorology and Air Quality (Part 2)
Conference Concludes

Please Note: Additional information on the full program agenda, including the speaker order, will be available in July, 2023.

Early Bird Registration Ends July 31st

We are very excited to welcome you to the UC Davis Campus in September for the biennial Meteorology and Climate - Modeling for Air Quality Conference.

Register early to secure the best rates!

The cost of registration includes:

- Admission to all sessions & presentation recordings*
- 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*)
 - [Additional Networking Opportunities](#)

*Session presentations, including the live presenter Q&A discussions, will be recorded and made available on-demand to all registered attendees. Virtual participants will have the same privileges as those attending in-person, including the ability to listen to each session in real-time, ask questions directly to the presenters, and watch recordings of the presentations after the session concludes.

[Register Now](#)

Take advantage of the early bird registration rates while they're still available!

[Registration Information](#)

Book your travel accommodations

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.

While we will host the conference as a hybrid event, we expect a majority of attendees and presenters to participate in-person, on-campus.

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

[Hotel Information](#)

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.



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