MAC-MAQ

Meteorology And Climate - Modeling for Air Quality

Conference

September 13-15, 2023

Don't Miss Out!
Early bird registration is closing soon

MAC-MAQ
EARLY BIRD REGISTRATION

📅 **JUNE 1ST - JULY 31ST, 2023**

$450

In-Person and Virtual

Can you believe that MAC-MAQ is less than 2 months away?!

With a myriad of presentations to showcase within each session, this year's conference program has something for everyone.

Have you registered yet? Don't delay! Early bird registration is ending soon.

Register by July 31st to save up to $100!

Register Now

View Presentation Abstracts

Conference registration includes access to all three days of programming. Be sure to register now before the price increases!

MAC-MAQ
GENERAL REGISTRATION

📅 **AUGUST 1 - AUGUST 31ST**

$550	$475
In-Person	_Virtual_

MAC-MAQ
LATE REGISTRATION

📅 **SEPTEMBER 1ST - SEPTEMBER 13TH**

$700	$575
In-Person	_Virtual_

MAC-MAQ
STUDENT REGISTRATION

$100	_Early Bird and General Registration_
$150	_Late Registration_

📅 **REGISTER NOW!**

Plan Your Trip

We are excited to welcome you back in-person at UC Davis this coming Fall. While we will host the conference as a hybrid event, we expect a majority

of attendees and presenters to participate in-person, on-campus. Those that cannot join in-person will be welcome to participate online.

Plan your travels early to ensure you can attend all of the conference activities such as the Early Career Networking Gathering on Tuesday Evening. Review the Conference schedule here to plan ahead and make the most of your trip!

If Attending In-Person, Make Sure to Book Your Hotel!

As you prepare for your visit to UC Davis, remember to book your hotel rooms! We have partnered with two local hotels to offer discounted group rates for conference attendees.

You can book a room at the Aggie Inn for $152/night or the prevailing federal employee rate of $133/night. Alternatively, you can stay a few blocks away at the University Park Inn & Suites for $129/night or the prevailing state employee rate of $90/night.

Please Note: Group rates end on August 11th!

View Hotels & Book a Room

Extend Your Stay

Davis is located in the heart of Northern California; in-between Tahoe and San Francisco. It's an incredible place to visit and we are so excited to welcome you to the campus in the Fall!
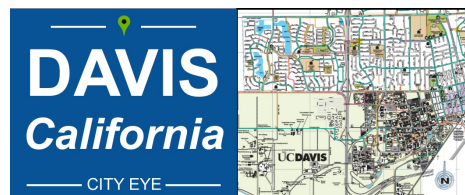
Consider extending your stay through the weekend to experience some of the great activities Northern California has to offer!

View Nearby Attractions

Early Career Networking Happy Hour

On Tuesday, September 12th, we invite all early career scientists and student researchers to join us downtown for an hour of networking before the conference kicks off!

Established career folks are encouraged to join as well to offer guidance and connect with new researchers in the field.

This will be a great opportunity to establish new connections and, if you're a returning attendee, say hello to fellow scientists that you haven't seen in a while. Please stay tuned for a sign-up form.

Volunteer Opportunities

Looking for ways to supplement the cost of your attendance at MAC-MAQ? Volunteer with us and we will reimburse you a portion of your registration fee!

We have a several volunteer opportunities for you to choose from ranging from being a Session Assistant to a Registration Assistant.

Learn more and express interest in volunteering here!

Note: Volunteer Opportunities will be available Wednesday - Friday

Poster Competition

We are incredibly excited to welcome 26 competitors to the inaugural poster competition!

During the conference, a distinguished panel of judges will evaluate the posters, offering participants a chance to showcase their research and ideas to esteemed experts. Winner(s) of the competition will receive a prize.

Take a look at the presentation titles listed below and be sure to connect with the poster competitors during the conference!

For further details on eligibility and the judging criteria for this competition, please refer to the information provided here.

List of Competitors

High-resolution WRF-Chem modeling of June 2022 ozone exceedance events in the Lake Michigan region
Jerrold Acdan, *University of Wisconsin-Madison*

An evaluation of lidar derived ozone curtain profiles from the TRACER-AQ campaign and WRF-Chem simulation
Claudia Bernier, *University of Houston*

Global sectional aerosol microphysics simulations the January 2022 Hunga Tonga Eruption
Parker Case, *NASA*

Combining High Spatial Resolution Fire Information with Daily Fire Activity to Improve a Fire Emissions Estimates

Sam D. Faulstich, *University of Utah, Department of Chemical Engineering*

Evaluation of the HYSPLIT-WRF-Chem framework to simulate volatile phenols under wildfire conditions. Case study: two wildfire smoke events at a central Washington State winery.
Ana Carla Fernandez Valdes, *Washington State University*

Predicting major pollutant concentrations and linkages to emissions, meteorology and policy implications in Beijing, China using machine learning methods
Shreya Guha, *George Mason University*

Investigating the role of nocturnal heterogeneous chemistry on daytime air quality: a comparison of two modeling schemes
Alicia Hoffman, *University of Wisconsin - Madison*

Improved NOx and VOCs emissions estimate by assimilating of geostationary trace-gas observations: an Observing System Simulation Experiment
Chia-Hua Hsu, *University of Colorado, Boulder*

Towards Improved Understanding of Wildfire Smoke Plume Height Estimation in Western U.S. Using Multisource Satellite Observations
Jingting Huang, *University of Utah*

Katabatic Flow Turbulence Modeling
Yicheng Li, *UC Davis, Civil and Environmental Engineering*

Spatiotemporal Gap-Filling of NASA Satellite-Derived-AOD in North America Using The UNet 3+ Machine Learning Architecture
Marcela Loria Salazar, *School of Meteorology, University of Oklahoma*

Investigating surface ozone sensitivity to HCHO/NO2 ratios over Arizona using the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA) model
Seyed Mohammad Amin Mirrezaei, *Department of Hydrology and Atmospheric Sciences, University of Arizona*

Observational Assessment of Aerosol Impacts on Updraft Speed in Deep Convection
Hallie Pimperl, *UC Davis*

Impacts of climate change on wildfire PM2.5 and the human health burdens in the US
Minghao Qui, *Stanford University*

Trace gas atmospheric rivers: remote drivers of air pollutants
Mukesh Rai, *Jet Propulsion Laboratory, California Institute of Technology*

An evaluation of Model II Regression techniques for the intercomparison of two instrumental methods for a national air quality monitoring network
Colleen Marciel Rosales, *OpenAQ / UC Davis*

Quantification of crop residue burning using WRF-Chem model over North Indian region

Ummed Singh Saharan, *National Physical Laboratory, New Delhi, India*

Development of PM2.5 transport: Modeling the spatial distribution of Camp Fire from California to New York
Xiaorong Shan, *George Mason University*

Spatial Variability in Formaldehyde and Nitrogen Dioxide Diurnal Cycles in the New York City Area
Madankui Tao, *Columbia University, Lamont-Doherty Earth Observatory*

Forecasting daily and sub-daily fire radiative power using scaled persistence and machine learning for air quality applications
Laura Thapa, *University of California, Los Angeles, Atmospheric and Oceanic Sciences*

Configuration and evaluation of the WRF-Chem air quality simulations over Thailand
Worapop Thongsame, *University of Colorado Boulder*

Extending AIRPACT Simulations to a Third Day
Mohammadamin Vahidi Ghazvini, *Washington State University*

The Impact of Horizontal Resolution on Secondary Organic Aerosol Modeling over East Asia using Variable-Resolution CESM2
Weiyi Wang, *Institute of Atmospheric Physics, Chinese Academy of Sciences*

Connecting Aerosol Modeling and Numerical Weather Prediction from Data Assimilation
Shih-Wei Wei, *Joint Center for Satellite Data Assimilation and University at Albany*

Analyzing Trends in Air Quality During a Drought: A Case Study to Improve Public Health Response to Drought Threats
Taylor West, *NASA DEVELOP*

High Spatiotemporal Resolution Modeling of PM2.5 in West Africa Using Satellite Data and Machine Learning
Benjamin Yang, *Columbia University*

Review Poster Presentation Abstracts

Thank you to our Sponsor, CARB

We appreciate your continued sponsorship of this educational conference.

Help Us Spread the Word!
Forward this email to anyone who may be interested in attending MAC-MAQ 2023!

Did someone forward you this email? Stay Connected!
Sign up for our mailing list to stay up to date on Conference announcements and developments!

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