Atmospheric Chemical Mechanisms Conference

December 7-9, 2022 - *U.C. Davis Hybrid Conference*

Call for Presentations

Photochemical mechanisms have been a critical component of air quality models that are used to 1) predict the concentrations of criteria pollutants such as ozone, NO2, and PM2.5, and 2) develop strategies to decrease the concentrations of these pollutants. Because of their importance in the regulation and reduction of these pollutants, chemical mechanisms must continue to be improved as our knowledge of the complex processes that occur in the atmosphere develops. ACM brings together the top scientists from around the globe to share their research findings and discuss new approaches and methods to improve on our ever-developing understanding of how the chemical constituents of our atmosphere, impact the earth's climate and the air upon which all life depends.

The conference is accepting abstracts for Oral Presentations (15 minutes) & Lighting Talks/Poster Presentations (2 minutes) through ~~August 5th~~ **August 11**. Session Chairs will evaluate and approve presentations by September 1st.

Conference Sessions

New and Emerging Air Pollutants (HAPs, VCPs, PFAS)
Session Chairs: Emma D'Ambro, US EPA & Matt Coggin, Cooperative Institute for Research in Environmental Sciences / NOAA Chemical Sciences Laboratory

New Chemical Regimes: (Merging COVID, Net Zero and exoplanets)
Session Chairs: Ellie Browne, University of Colorado, Denver & James Lee, University of York / NCAS

Atmospheric Chemistry in Public Health and Regulatory Applications
Session Chairs: Melissa Venecek, CARB, Jim Kelly, US EPA

Mechanism Development and Reduction
Session Chairs: Kelley Barsanti, University of California, Riverside & Tzung-May Fu, Southern University of Science and Technology

Sulfur Oxidation Advancements – Improving mechanisms and modeling
Session Chairs: Patrick Veres, NOAA Chemical Sciences Laboratory & Zongbo Shi, University of Birmingham

Modeling at multiple scales of chemical complexity and spatial resolution
Session Chairs: Kelvin Bates, Harvard & UC Davis, Louisa Emmons, National Center for Atmospheric Research

Fundamental Studies of Atmospheric Chemical Mechanisms
Session Chairs: Rebecca Caravan, Argonne National Laboratory, Sally Ng, Georgia Institute of Technology, Matti Rissanen, Tampere University & Max McGillen, CNRS

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Virtual Conference Details: acm.aqrc.ucdavis.edu