

Fire + Smoke Science Sessions at AGU Fall 2022

[A085: Remote Sensing of Fire Processes and Biomass Burning \(BB\)Emissions](#)

Edward J Hyer, Naval Research Lab Monterey, Marine Meteorology, Monterey, CA, United States

Olga V. Kalashnikova, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, United States

Sanath Sathyachandran Kumar, South Dakota State University, Brookings, SD, United States

Fangjun Li, South Dakota State University, Geospatial Sciences Center of Excellence (GSCE), Geography and Geospatial Sciences, Brookings, SD, United States

[GH014: Monitoring, Modeling, and Forecasting Fire Emissions, Smoke, and Their Health Impacts](#)

Allison E (Baer) Bredder, University of Maryland College Park, College Park, MD, United States

Tatiana V Loboda, University of Maryland, College Park, MD, United States

Nancy H F French, Michigan Technological University, Houghton, MI, United States

Robin Puett, University of Maryland College Park, School of Public Health, College Park, United States

[B012: The Role of Fire in the Earth System: Understanding Drivers, Feedbacks, and Interactions with the Land, Atmosphere, and Society](#)

Anna Talucci, Colgate University, Geography, Hamilton, NY, United States

Catherine M Dieleman, University of Guelph, Department of Integrative Biology, Guelph, ON, Canada

Jessica L McCarty, Miami University Oxford, Oxford, OH, United States

Mika Tosca, School of the Art Institute of Chicago, Chicago, IL, United States

[A006: Advances in wildland fire - atmosphere interactions](#)

Tirtha Banerjee¹, **Janine Baijnath-Rodino**, (1)University of California Irvine, Civil and Environmental Engineering, Irvine, CA, United States

Soroush Esmaeili Neyestan² (2)University of California Riverside, Riverside, United States

[A021: Atmospheric chemistry in the wildfire plume](#)

Yang Li, Baylor University, Waco, TX, United States

Rebecca R Buchholz, National Center for Atmospheric Research, Atmospheric Chemistry Observations & Modeling Laboratory, Boulder, CO, United States

Rebecca Schwantes, Cooperative Institute for Research in Environmental Sciences (CIRES) University of Colorado and NOAA ESRL Chemical Sciences Laboratory, Boulder, CO, United States

[NH027: Why are Wildfires Becoming More Severe – Where is the Next One?](#)

David S Green, NASA Headquarters, Application Science - Wildfires, Washington, DC, United States

Christian Klose, Swiss Re, Data Science and Resilience, Armonk, NY, United States

Nancy Watkins, Milliman, Inc., Property and Casualty, San Francisco, CA, United States

Edward Joseph Kearns, First Street Foundation, Brooklyn, NY, United States

David S Saah, University of San Francisco, Geospatial Analysis Lab, San Francisco, CA, United States

Sashi Sabaratnam, Naval Postgraduate School, National Security, Monterey, CA, United States

A012: Aerosols and Air Quality over South and Southeast Asia: Observations, Modeling and Impacts

Shraddha Dhungel, Environmental Defense Fund, New York, NY, United States

Ritesh Gautam, Environmental Defense Fund DC, Washington, DC, United States

Tianjia Liu, Harvard University, Department of Earth and Planetary Sciences, Cambridge, United States

A015: Air Quality in Africa: observations, emissions and modeling

Claire Granier, Laboratoire d'Aerologie and CIRES/NOAA, Toulouse, France and Boulder, USA, France

Evelyne Touré N'Datchoh, University Félix Houphouët-Boigny (UFHB-SSMT), UFR SSMT - LASMES, Abidjan, Côte D'ivoire

Benjamin Gaubert, National Center for Atmospheric Research, Atmospheric Chemistry Observations & Modeling Laboratory, Boulder, CO, United States

A016: Air Quality Trends and Challenges in Urban Area

Lu Xu, CIRES and NOAA ESRL, Chemical Sciences Laboratory, Boulder, United States; NOAA/CIRES, Boulder, United States

James D Lee, University of York, Wolfson Atmospheric Chemistry Laboratories, Department of Chemistry, York, United Kingdom

Georgios Gkatzelis, Forschungszentrum Jülich GmbH, Jülich 52428, Germany

Pieter Levelt, National Center for Atmospheric Research, ACOM, Boulder, CO, United States

GH009: Impacts of Biomass and Crop residue burning on Clean Air, Public Health, and Climate

Ramesh P Singh, Chapman University, Orange, CA, United States

Sachiko Hayashida, Research Institute for Humanity and Nature, Aakash Project, Kyoto, Japan

A069: Light-Absorbing Carbon Aerosol from Observations and Models

Chao Liu, Nanjing University of Information Science and Technology, School of Atmospheric Physics, Nanjing, China

Yuan Wang, California Institute of Technology, Pasadena, CA, United States

Joshua Peter Schwarz, NOAA Chemical Sciences Laboratory (CSL), Boulder, CO, United States

Dantong Liu, Zhejiang University, Department of Atmospheric Sciences, School of Earth Sciences, Hangzhou, China

GC040: Fire Impacts on Watershed Hydrology, Biogeochemistry, and Biodiversity

Michelle E Newcomer, Lawrence Berkeley National Laboratory, Berkeley, CA, United States

Rachel Meyer, University of California Santa Cruz, Santa Cruz, United States

Andrew B Gray, University of California Riverside, Riverside, CA, United States

PP012: Historical and Paleo Perspectives on Fire in the Earth System

Richard S Vachula, Auburn University, Department of Geosciences, Auburn, VA, United States

Jarunetr (Nadia) Sae-Lim, Washington University in St Louis, Earth and Planetary Sciences, St. Louis, MO, United States

Troy M Ferland, Lamont -Doherty Earth Observatory, Palisades, PA, United States

Allison Karp, Yale University, New Haven, CT, United States

*We look forward to seeing you at AGU
12-16 December 2022*

In Chicago and online everywhere!