

Impacts of Wildfires on Air Quality and Health

February 13-14, 2019 • Hyatt Regency Sonoma Wine Country, Santa Rosa, CA

Wednesday, February 13

8:00 AM	Registration and Continental Breakfast	
8:45 AM	Opening Welcome	Mayor of Santa Rosa (invited)
9:00 AM	Keynote Presentation	Jack Broadbent, Executive Officer, Bay Area Air Quality Management District

Session I: Health Impacts of Smoke Exposure

Chair: Eric Sergienko, MD, CHO, Mariposa County

9:30 AM	Overview of Smoke Health Effects	John Balmes, MD, Professor, University of California Berkeley School of Public Health
10:00 AM	Effects of Exposure	Michael Kleinman, Professor, University of California, Irvine
10:30 AM	How is Wildfire Smoke Different from Other PM?	Ian Gilmour, Research Biologist, US EPA
11:00 AM	Public Health Effects of Exposure: What We Have Seen	Panel including Session I Speakers and Local Health Officers

12:00 PM **Lunch**

Session II: Wildfire Smoke Monitoring Systems and Methods

Chair: Eric Stevenson, Director of Meteorology and Measurement, Bay Area Air Quality Management District (BAAQMD)

1:00 PM	Fixed Monitoring Systems and Routine Monitoring of Air Quality	Eric Stevenson, BAAQMD
1:30 PM	Mobile Monitoring Systems	Charles Pearson, ARB
2:00 PM	Distributed Monitoring	Timothy Dye, Principal, TD Environmental Services
2:30 PM	Break	
3:00 PM	Distributed Monitoring Systems	Julia Luongo, Managing Consultant, Ramboll
3:30 PM	Measured Levels and Their Use	Panel including Scott Epstein, Ph.D., Program Supervisor, Air Quality Assessment, South Coast Air Quality Management District and Session II Speakers

5:00 PM **Networking Reception**

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Thursday, February 14

8:00 AM	Registration and Continental Breakfast	
8:30 AM	A&WMA Welcome	Michele Gehring, President, Air & Waste Management Association
8:45 AM	Local Impact Presentation	Shirlee Zane, Sonoma County Board of Supervisors (invited)
Session III: Forecasting Smoke Impacts		
Chair: Trent Procter, Sequoia National Forest, Air Program Coordinator		
9:00 AM	Fire Weather, Fire Seasons, and Affected Areas	Brent Wachtner, Fire Meteorologist, North Operations Predictive Services, US Forest Service (USFS)
9:30 AM	Constructing Smoke Forecasts	Susan O'Neill, Research Air Quality Engineer, USFS
10:00 AM	Broad Communication of Smoke Information	Katie Stewart, Environmental Scientist, US EPA, Region 9
10:30 AM	Break	
10:50 AM	Interpreting and Using Smoke Forecasts	Lee Tarnay, Physical Ecologist, US Forest Service, Region 5 Remote Sensing Lab
Session IV: Camp Fire Case Study—California's Worst Smoke Exposure?		
Chair: Trent Procter, Air Program Coordinator, Sequoia National Forest		
11:20 AM	Weather Conditions During and After the Camp Fire	Brent Wachtner, Fire Meteorologist, North Operations Predictive Services, USFS
11:40 AM	Air Quality Impacts of the Camp Fire	ShihMing Huang, Air Quality Scientist/Project Manager, Sonoma Technology Inc.
12:00 PM	Lunch	
Session V: Communicating Air Quality and Health Advisories		
Chair: Lyz Hoffman, Public Information Officer, Santa Barbara County APCD		
1:00 PM	Preparations for Fire Season	Peter Brewer, Air Quality Attainment Coordinator, Oregon Department of Environmental Quality
1:20 PM	Recent Fire Case Studies in Vancouver, BC	Francis Ries, Sr. Project Engineer, Metro Vancouver
1:40 PM	Mitigation Measures in Missoula County	Sara Coefield, Air Quality Specialist, Missoula County Public Health
2:00 PM	Recent Fire Case Studies in Butte County, CA	Jason Mandly, Air Quality Planner, Butte County Air Quality
2:20 PM	Panel: Answering the Tough Questions	Panel including Session V Speakers
Session VI: Future Direction		
Chair: Susan Aitkens, President, Emerge Technologies		
3:00 PM	Air and Health Panel: Discussion and Direction—What are our next steps?	A panel of speakers from the conference will be selected to discuss the most important topics identified during the sessions
4:00 PM	Adjourn	