

Announcing our Plenary Topics!

Low Cost Air Quality Sensor Challenges & Hopes

Come hear stories of what's working well with air sensors and what is needed from different perspectives: Community, Government, Tribal, Academic, Industry. You'll hear stories and ideas from people that represent these different sectors that are using air sensors for a wide range of applications. And more importantly, what improvements will make air sensors more policy-relevant, easier to use, more affordable, and accessible. This panel will illuminate how these improvements will intersect and how we can move forward, developing collaborative opportunities supportive of the needs of all stakeholders. *(corrected summary)*

Date: Wednesday, May 11th, 8:15 a.m. PT

Personalizing Exposure and Advancing Precision Environmental Health Using Air Sensors

Air pollution exposure is the largest environmental risk factor in the global burden of disease, with strong spatial patterning and systemic inequities leading to persistent environmental health disparities. Personal exposure to air pollution is highly variable in space and time and depends on human time-activity and mobility patterns, behaviors, indoor and outdoor sources. While most studies have focused on outdoor, regulated criteria air pollutants, humans are exposed to mixtures from various sources with distinct physiochemical properties and toxicity profiles. The indoor microenvironment in particular contributes significantly to personal exposure yet is often ignored, introducing exposure measurement error. Advances in air sensors, coupled with personal monitoring, mobile Health tools, and geospatial technologies have greatly increased our ability to assess highly personalized and source-specific exposures in context, within actual activity spaces. This talk will present an overview of air sensor and mobile Health applications for personalizing exposure and understanding health effects. The ultimate goal is to advance precision environmental health, design targeted interventions, and reduce health disparities. *(corrected summary)*

Date: Thursday, May 12th, 10:50 a.m. PT

Sensors in Smoke: Reducing Exposure to PM

The use of low-cost sensors in reducing exposure to particulate matter from wildfires and biomass burning. The purpose is to discuss the use of (low-cost) sensors or sensor networks in evaluating the health impacts of exposure, to evaluate cleaner-air shelters and to assess and mitigate residential biomass burning.

Date: Thursday, May 12th, 4:45 p.m. PT

How and why cities are using new sensor technologies: successes, challenges, and funding to

achieve air quality goals

C40 Cities and Clean Air Fund share how cities use new sensor technologies to monitor air quality and attain environmental goals; and reflect on(?) what funding opportunities support their accomplishments. The panel will focus on three themes summarizing cities' successes and challenges, to inform future sensor deployments. The Clean Air Fund will share key steps cities and philanthropy organizations can take to help grow and sustain the progress shared by panelists and the Breathe London project. Stay for an open discussion with the audience of "Where do we go from here," following the panel.

Date: Friday, May 13th, 8:05 a.m. PT

[Register Now](#)

Who's Exhibiting at ASIC?

Are you looking to set up a air quality network in your neighborhood? Across your community? Throughout your whole city? Then you should definitely visit the exhibit hall in Pasadena. Our conference will host sensor device manufacturers, data platform designers, and air quality consultants from around the world. With educational direction from our leading platinum sponsors, California Air Resources Board, South Coast Air Quality Management District and the Bay Area Air Quality Management, you will surely find what fits your communities needs. Take a look at our full exhibitor list below.

- 2B Technologies
- Aeroqual
- AethLabs
- Ambilabs
- Axetris
- CAMS-Net
- California Air Resources Board
- ECOMESURE & SGS
- Entanglement Technologies
- US EPA Office of Research and Development
- IQAir
- Kunak
- Montrose Environmental Group
- Particles Plus
- Piera Systems
- Quant AQ
- Sailbri Cooper Inc (SCI)
- South Coast Air Quality Management District
- Sonoma Technology
- TD Environmental
- Teledyne API
- TSI

[Current Sponsor List](#)

[Current Exhibitor List](#)

Interested in sponsoring or exhibiting? Review this [prospectus](#) and then please send an email to Conference Manager, Sandra Hall, at sehall@ucdavis.edu.

State & Federal Room Rates

Hilton Pasadena

168 South Los Robles Avenue

Pasadena, CA 91101 USA

General Room Rate: \$191

Federal Room Rate: \$182

Marriot Sheraton Pasadena

303 Cordova Street

Pasadena, CA 91101 USA

General Room Rate: \$219

Federal Room Rate: \$120



[Review Reservation Information & Book Here Now!](#)

External Job Openings

Data Management Scientist (Remote)

TD Environmental Services

Air Quality Sensors, Analytics, & Insights

TD Environmental Services is seeking a full-time, remote employee for the open position of **Data Management Scientist**. This individual will work on a variety of air quality projects involving 1) analyzing air quality data and 2) designing next-generation systems to manage and visualize air quality data.

[Review Job Posting Here](#)

Air Sensor Calibration & Repair Specialist

State of Washington

The [Air Quality Program](#) within the Department of Ecology is looking to fill an **Air Sensor Calibration & Repair Specialist (Environmental Specialist 4) (In-Training)** position. This position is located in their Headquarters Office in Lacey, WA.

[Review Job Posting Here](#)

Quality Assurance Coordinator

State of Washington

The [Air Quality Program](#) within the Department of Ecology is looking to fill a **Quality Assurance Coordinator (Natural Resource Scientist 3)** position. This position is located in their Headquarters Office in Lacey, WA.

[Review Job Posting Here](#)

Questions? Please Contact the Conference Staff:
airqualityevents@ucdavis.edu



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