



“Making Sense of Sensors” September 27-28, 2017

Draft Conference Program

Subject to change

Day 1 – Wednesday, September 27 (full day)

❖ Continental Breakfast - Exhibit Hall Opens – 7:30 a.m.

Welcome/Opening Comments – approximately 8:30 a.m.

Keynote speaker: Weather Underground

Overview of the State of Sensor Technology

- History of air quality sensors
- Recent advances in technology

❖ Break – Exhibit Hall Open

Sensor Performance and Data Quality

- Field and laboratory testing
- Sensor calibration, performance and reliability
- Procedures for validating sensor data

Sensor Network Development and Data Acquisition

- Network development and implementation
- Data acquisition tools

❖ Luncheon on Patio – Exhibit Hall Open

Data Analysis, Interpretation and Mapping

- Backend applications for air quality sensors
- Analysis and visualization tools

Perspectives and Expectations

- Ways EJ communities can benefit from using air quality sensors
- Industry and air quality agencies roles in the development of actionable sensor data

❖ Poster Session - PM Snack – Exhibit Hall Open

❖ Day 1 Closing Comments and Adjournment – approximately 5:00 p.m.

❖ NOTE: AQ-SPEC laboratory chamber system tours will be offered at intervals throughout the day. Registered attendees will receive more information on how to sign-up.

Day 2 – Thursday, September 28 (half-day)

- ❖ Continental Breakfast - Exhibit Hall Open including Posters on Displays – 7:30 a.m.

Welcome/Opening Comments – approximately 8:30

Keynote speaker: **Microsoft**

Network Deployments and Applications

- Case studies from various deployments in the U.S.
- Challenges and lessons learned

- ❖ Break – Exhibit Hall Open including Posters on Displays

Integrating Low-Cost Sensors and Satellite Data

- Using ground-based sensor data to validate satellite information
- Applications of satellite air quality data

Sensor Data Dissemination

- Integrating sensor data in health related studies
- Communicating results to the public

- ❖ Closing Comments and Adjournment – approximately 12:30-1:00 p.m.

- ❖ NOTE: AQ-SPEC laboratory chamber system tours will be offered at intervals throughout the day.

Co-Hosted by



A Thank You to Our Current Sponsors!

The logo for EnviroSuite. The word 'EnviroSuite' is written in a bold, black, sans-serif font. Below the text are three horizontal, wavy lines that resemble water or a stylized 'S'.The logo for DRx DAS. It features a blue, stylized 'A' shape on the left, followed by the text 'DRx DAS' in a bold, black, sans-serif font. Below the text, the phrase 'environmental data flows' is written in a smaller, blue, lowercase font.

STI

Sonoma Technology, Inc.
Innovative Environmental Solutions

a:etris



Sensor Raffles Courtesy of aeroqual^{aq}



PurpleAir

 **SPECSENSORS**



For more information, please visit our conference page [here](#) or email us at events@aqmd.gov or call (909) 396-3240.

Ver8-11-17