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**OCACS Environmental Group  
Bimonthly Presentation**

**Air Quality Sensors: An Overview of Performance Evaluation, Network Design, and Data Handling**

**Dr. Vasileios Papapostolou**  
**Program Supervisor, AQ-SPEC of Science & Technology Advancement,**  
**South Coast Air Quality Management District**

**Wednesday, October 30th, 2019 at 7:30 pm**

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**Biography**

Dr. Vasileios Papapostolou is the Program Supervisor for the AQ-SPEC of Science & Technology Advancement at the South Coast Air Quality Management District. His primary responsibilities include the overall oversight and guidance for the South Coast AQMD air quality sensor related projects. Dr. Papapostolou received his BSc in Chemical Engineering from Greece, his MSc in Exposure Assessment and ScD in Environmental Health degrees from the Harvard T.H. Chan School of Public Health.



**Abstract**

Do these sensors work and how accurate are they? Do they perform over time? How is the data from these sensors used? Can actionable data be collected and used to inform decision making? The deployment of low-cost air quality sensors across regions not previously measured promises to improve the spatial and temporal resolution of the current monitoring networks using traditional measurement methods. Various stakeholders are interested in capturing and visualizing data from low-cost sensors on real-time maps just as many weather applications currently provide neighborhood level weather information. This presentation will provide an overview of the performance of currently commercially available air sensors and will focus on perspectives gained from five years of sensor testing in the field under ambient conditions and in the laboratory under controlled environmental conditions, as part of South Coast Air Quality Management District's Air Quality Sensor Performance Evaluation Center (AQ-SPEC). Insights on sensor network design, development and implementation at the community level will also be discussed.

## Location

Kennedy/Jenks Consultants, 3200 El Camino Real, Suite 200, Irvine, CA 92602

## To Register or for more information

Contact Dr. Ganesh Rajagopalan at  
[RGanesh@KennedyJenks.com](mailto:RGanesh@KennedyJenks.com) by Monday, October 28th, 2019.

