

Michigan-Cambridge Research Initiative

EMERGING SENSOR TECHNOLOGIES AND DATA ANALYTICS FOR AIR QUALITY MONITORING: A WORKSHOP

Thursday, December 12, 2019

GM Room, Lurie Engineering Center, 1221 Beal Ave., Ann Arbor, MI

Today, poor air quality is linked to over 3 million deaths per year, mostly in large urban areas. OECD estimates that by 2050, poor air quality may become the largest cause of premature mortality in the world. This workshop will explore current research and practice in order to identify the gaps and limitations, and to prioritize future activities needed to address this challenge of growing global concern.

Pollution Sources

Road Emissions



Industrial Emissions



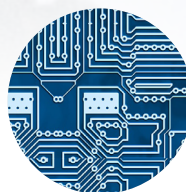
Home Heating



Construction



Technology Solutions



Low-cost, Chip-scale Sensors & Microsystems



Smartphones



Large-scale Wireless Networks



Data Analytics, AI, & Machine Learning

Applications

Air quality monitoring

Regulatory compliance monitoring

Personal exposure monitoring

Spatio-temporal mapping

Workshop Chairs:

Yogesh Gianchandani, Univ. of Michigan
Ashwin Seshia, Univ. of Cambridge

Workshop Coordinators:

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Wireless Integrated
MicroSensing & Systems

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WIMS2 Members: Free
Non Members: \$50

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