

Next Generation Ambient Air Monitoring Conference
September 13-14, 2022
London, Ontario

Day 1 – September 13		
Time	Topic	Speaker
8:15 am	Welcome and Introduction to Conference	Brian Bobbie
Platinum Sponsor Presentation – SOLVAir/Solvay		
8:30	Acid Gas Remediation with Sorbent Salts	Michael Atwell; Cornelia Cretiu and Marco Riccio, SOLVAir
Session 1 – Current Evolving Technology: Vendor Perspective; Session Chair: Kate Humphreys, Montrose Environmental		
9:10	Ambilabs: AQMesh Small Sensor Networks	Teles Furlani
9:30	Westech; Measurement of Formaldehyde Pollution in Ambient Air	Brad King; and Michael Vecht, Gasera
9:50	Montrose; Innovation 101: How Montrose Accelerates Air, Water and Soil Programs	Leena Thomas
10:10	Break	
10:30	Piera Systems; New Sensor Technology Helps Identify What’s in Your Air	Howard Pakosh
10:50	Liveable Cities; “Leveraging Your Streetlights for Ambient Air Quality Monitoring”	Adam Chaffey
11:10	Aranet Sensors; IoT and LPWAN Technology Benefits for Air Quality Monitoring	Evija (Baula) Gosse
11:30	Ecomesure: Monitoring for the Boston Public School System	Julie Pelletier
	Lunch	

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Paul G Complin Scholarship Recipient's Presentation		
1:05	Use of waste and natural resources in Canada to enhance regional economic and environmental sustainability	Nasim Yavari, Laurentian University
Session 2 – Monitoring Results, Studies and Experiences, Part 1; Session Chair: Michael Atwell, SOLVAir		
1:35	Overview of fenceline monitoring system at Suncor-Sarnia	Todd Murray, Suncor
2:05	Low cost and effective: Passive Directional Dustfall Monitoring (PDDM) Used to Identify Fugitive Dust Sources and Assess Effectiveness of Controls at an Industrial Complex	Monika Greenfield, RWDI
2:35	Break	
3:00	Industrial Ambient Air Monitoring Trends and Case Studies	Francis Ries, WSP-Golder for the Canadian Fuels Association
Paul G Complin Scholarship Recipient's Presentation		
3:35	Modelling ground-level NO ₂ using tropospheric columns from TROPOMI: Studying the impact of COVID-19 on air quality in Toronto and Hamilton, Ontario	Priya Patel, University of Toronto
Session 3 – Evolving Monitoring Technology: Regulator Perspectives and Experiences, Part 1 Session Chair: Jessica Knox, WSP - Golder		
4:10	Small Sensor Air Project in Metro Vancouver	Amy Thai, Metro Vancouver
4:40	FRM/FEM and Sensors; Complementary Approaches for Determining Ambient Air Quality	Andrea Clements, United States Environmental Protection Agency
	Reception	

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Day 2 – September 14		
Time	Topic	Speaker
8:20 am	Introduction to Second Day of Conference	
Session 4 – Monitoring Results, Studies and Experiences, Part 2; Session Chair: Monika Greenfield, RWDI		
8:35	Low Cost Particulate Sensors in Hamilton, Ontario Canada	Matthew Adams, University of Toronto
9:05	Air Quality Monitoring Using Low Cost Sensors in the City of Kitchener	Lucas Neil, Ausenco
9:35	Leveraging Sensors to Help Address Neighborhood Scale Air Quality Concerns	Janice Lam Snyder; Sacramento Air Quality Management District
10:05	Break	
10:30	Real-time Environmental Monitoring - A 17 Year Partnership and Case Study	Kati McCartney, FROSKR
11:00	City of Denver Public Health: Engaging School Communities with Air Sensors: Love My Air	Tehya Stockman, City of Denver
11:30	Evaluation of Multiple Continuous Ambient FRM and FEM NO ₂ Instruments in the Athabasca Oil Sands Region, Alberta, Canada and the Potential Impact on Ambient Regulatory Compliance	Eric Edgerton, Atmospheric-Research on behalf of the Wood Buffalo Environmental Association
	Lunch with Speaker (To be announced)	
Paul G Complin Scholarship Recipient's Presentation		
1:05	Assessing Airborne VOC Biofiltration from a Green Wall System	Corbin Sparks, Toronto Metropolitan University
Session 5 – Evolving Monitoring Technology: Regulator Perspectives and Experiences, Part 2 Session Chair: John Georgakopoulos, Willms & Shier		
1:35	The Foundation of Clean Air Sarnia and Area (CASA)	Mallory Jutzi, Ontario Ministry of the Environment, Conservation and Parks
2:05	Low-cost Sensors to Enhance Air Quality Forecasting Tools and Services across Canada	Matthew Parsons, Environment and Climate Change Canada

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Session 6 – Ambient Monitoring Data Analysis and New Techniques; Session Chair: Lucas Malinowski, Canadian Fuels Association		
2:40	Twenty-First Century Tools for Environmental Protection: Real-Time Monitoring, Fine-Scale Modelling and Advanced Analytics for Air Quality Applications	Eduardo Olaguer, Assistant Director of the Air Quality Division at Michigan Department of Environment, Great Lakes and Energy
3:10	Advanced Ambient Monitoring: Deep Neural Network Application to Extract More Value from Ambient Air Monitoring	Jesse Van Griensven The, Lakes Software
3:40	Conference Adjournment	Brian Bobbie