

Building Resilient Communities

2025 CPANS Conference and AGM

May 21, 2025, 1-047 Lister Centre
Lister Conference Centre; Edmonton, Alberta



Sponsored by:

Platinum:



Gold:



Supporting:



Notes:

Conference Program

7:30	Doors open, Registration and Breakfast		
8:00	Welcoming & Opening Remarks	Travis Tokarek	CPANS Technical Director
Session 1: Resilient Communities		Session Chair: Madhan Selvaraj	
8:10	Drake Landing Low Carbon Solar Community	Klym Bolechowsky	ClearSky Engineering Inc.
8:40	Beyond Regulations: Frameworks for Resilient Cities	Marie-Jose Croonen	AECOM
9:10	Accelerating Clean Energy Pathways in Alberta: Hydrogen and CCUS for Resilient Communities	Sanah Dar	Alberta Innovates
9:40	Networking Break & Open Exhibition		
Session 2: Measurements and Emissions		Session Chair: Cecilia Quintana Baez	
10:05	Numerical Modeling and Risk Assessment of Welders' Exposure to Welding Fumes in Industrial Environments	Mahdi Ahmadzadeh	University of Alberta
10:35	Quantification of atmospheric odd nitrogen reservoir species at the Calgary Central air quality station	Shanu Johnson	University of Calgary
11:05	Understanding Greenhouse Gas Emissions From Wastewater Treatment Facilities	Zaher Hashisho	University of Alberta
11:35	Lunch, Open Exhibition and CPANS AGM	Wade Gieni	CPANS Chair
Session 3: Wildfires Smoke Impacts		Session Chair: Tania Guha	
12:50	Vinyl-PAN: An air pollutant in biomass burning plumes	Hans D. Osthoff	University of Calgary
13:20	Investigating Multi-Stressor Impacts on Air Quality in Alberta: Heatwaves and Wildfire Smoke	Harshita Pawar	American Chemical Society (formerly)
13:50	Distributed low-cost sensor network for air quality measurements and wildfire monitoring at remote communities	Quamrul Huda	Northern Alberta Institute of Technology
14:20	Networking Break & Open Exhibition		
Session 4: Guidelines, Methodologies, and Regulations		Session Chair: Ann Teng	
14:45	Updates on PFAS Regulations in Canada	Cecilia Quintana Baez	Barr Engineering
15:15	Exploring the Methodologies and Practical Applications of Method 4	Rienzie Balkaran	Global Analyzer Systems Ltd.
15:45	Student Awards and Conference Wrap-up	Yoojin Choi/Wade Gieni	Director of Awards and Education/ CPANS Chair
16:00	Mixer: Snacks will be provided. Drinks will be available for purchase		

Program Disclaimer: The contents of all conference presentations are the sole responsibility of Speakers and can in no way be taken to reflect the views of the A&WMA CPANS (and conference organizers). The organizers reserve the right to change the information where necessary without notice.

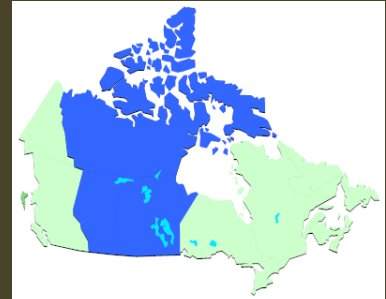
Conference Organizing Committee

Travis Tokarek	Alberta Environment and Protected Areas
Tania Guha	SLR Consulting
Madhan Selvaraj	Alberta Environment and Protected Areas
Ann Teng	AER
Cecilia Quintana Baez	Barr Engineering
Sina Esfandiar Pour	AECOM
Yoojin Choi	UL Solutions
Emily Darraugh	Global Analyzer Systems Ltd.
Fatemeh Keramat	University of Alberta
Volunteers	Mahdi Ahmadzadeh
	Mahdi Zahed

Exhibitors



CPANS: A Proud and Growing Section!



Map of CPANS Coverage

CPANS Events

- CPANS provides its members with opportunities to expand their professional knowledge and professional contact base through luncheon meetings, conferences, and workshops.
- We host monthly luncheon events at which the latest environmental topics in the air and waste management fields are discussed.
- In previous years, CPANS has hosted a suite of training opportunities to the public and it's members, including Introduction to Air Dispersion Modelling, AERFlare, CALPUFF/CALMET, and Energy Auditing.
- We have developed five community television programs on the environment, and other specialized activities related to our mission. CPANS has hosted a number of Specialty Conferences over the years, often co-hosting with other local industrial/environmental groups.