

Overview

The Decarbonization and Clean Energy Technologies for Climate Change Abatement (DECT-2026) workshop provides a unique platform for researchers, students, engineers, technologists and industry professionals to learn about how to achieve decarbonization and related technologies to deploy, and clean energy solutions, including renewables, nuclear, alternative fuels, hydrogen energy, waste to energy options and energy storage, which help combat global warming and accomplish climate change mitigation. Also, the comprehensive overview of demand-side management in Ontario will be discussed, and the questions behind what one may expect in the future will be answered. Furthermore, there will be a panel discussion session where the experts will discuss challenges, opportunities and future directions about decarbonization and clean energy solutions. Moreover, there will be tours arranged for the world-leading facilities of the Automotive Center of Excellence (ACE) and Clean Energy Research Laboratory (CERL).

What to Expect

- Technical presentations, perspectives and discussion by the leading experts.
- Panel discussion to address critical challenges, opportunities and future directions.
- Networking opportunities with speakers, researchers and industry professionals.
- Guided tours to the ACE and CERL.
- Lunch and light refreshments provided throughout the event.
- A certificate to every participant upon completion of the workshop.



Program

08:00 a.m. - 9:00 a.m.	Registration	
09:00 a.m. - 9:10 a.m.	Opening Remarks	
09:10 a.m. - 9:40 a.m.	Invited Talk 1	Joanna Osawe "Perspectives on resilient and equitable energy future for all"
09:40 a.m. - 10:10 a.m.	Invited Talk 2	Inês Ribeiro Canella "Energy Storage 101-Powering the Energy Transition"
10:10 a.m. - 10:40 a.m.	Invited Talk 3	Dr. Kevork Hacatoglu "An Overview of Demand-Side Management in Ontario"
10:40 a.m. - 11:00 a.m.	Break	
11:00 a.m. - 12:00 p.m.	Tour to ACE	
12:00 p.m. - 13:00 p.m.	Lunch	
13:00 p.m. - 13:30 p.m.	Invited Talk 4	Behdad Bahrami "AI-Based Operations for Decarbonization and Clean Energy Solutions"
13:30 p.m. - 14:00 p.m.	Invited Talk 5	Dr. Atef Mohany "Resilience of Energy Infrastructure Under Extreme Climate-Induced Loading"
14:00 p.m. - 14:30 p.m.	Invited Talk 6	Dr. Ibrahim Dincer "Decarbonization and Clean Energy Solutions"
14:30 p.m. - 15:30 p.m.	Panel Discussion	Moderator: Dr. Atef Mohany Panelists: Behdad Bahrami, Dr. Daniel Hoornweg, Luke Durst, Joanna Osawe, Inês Ribeiro Canella
15:30 p.m. - 16:00 p.m.	Break	
16:00 p.m. - 17:00 p.m.	Tour to CERL	
17:00 p.m.	Closing Remarks & Certificate Awarding	

Workshop and Panel Discussion



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Date: Thursday, April 2, 2026
Start: 09:00 **Finish:** 17:00
Location: Room ENG3035 in OPG ENG Building

A certificate of participation that can be used to fulfill PEO Professional Development Hours under the PEAK program.



For Registration:
<https://form.jotform.com/260416093837258>
For Information:
<https://cerl.ontariotechu.ca/dect-2026/index.php>

Who Can Attend
 ⇒ Researchers, undergraduate and graduate students, postdoctoral research fellows, engineers, technologists and industry professionals

Please contact cerl.engineering@ontariotechu.ca for any inquiries.