
Hydrogen on the Move - Forum

Dec. 8, 2017 Forum Program – Hart House – U of T Campus

8:00 a.m. - Registration and Networking

Coffee

8:30 a.m. Welcome – Brad Chittick (HBC) and Kristian Galberg (U of T)

8:45 a.m. Opening Address from Arthur Potts, PA for Ministry of Environment and Climate Change

Official Program Begins

9:00 a.m. Session 1: The Business Case for Hydrogen as the Metrolinx Electrification Solution

Session Chair: Nirmal Gnanaprasam, CNL

- Best Tracks for Hydrail – Alistair Miller (CNL)
- How Ontario fuel cell technology is decarbonizing trains in Europe and Asia - Bob Oliver, (Tech-K.O.)
- Hydrail Vehicle Design and Integration – Dr. Michael Fowler (Waterloo U.)

10:00 a.m. Coffee break – and Networking

10:15 a.m. Session 2: Buses and Heavy Duty Trucks – Who is doing What

Session Chair: Matt Fairlie, CEO Next Hydrogen

- H2 Bus projects in Canada – an overview – Josipa Petronic, (CUTRIC)
- Commercialization of Hydrogen Busses – Barry Dykeman (New Flyer)
- Hydrogen System Solutions for Mass Transit – Rob Harvey, (Hydrogenics)
- The case for Hydrogen powered buses and trucks; value proposition and commercial deployment update – Nicolas Pocard (Ballard Power Systems)

11:15 a.m. Session 3: Fleets and Supporting Infrastructure

Session Chair: Robert Stasko, CEO Science Concepts International

- Developing Hydrogen Transportation Infrastructure - Daniel Brock (Fasken & Martineau)
- Studies on Optimizing H2 Infrastructure for Fleet Deployment – Ry Smith (Change Energy)
- Opportunity to Reduce Fleet Emissions: Low Carbon Electricity to Low Carbon Fuel - Jason Van Geel (Carlsun Energy Solutions/7GFUEL)

12:00 to 12:45 p.m. LUNCH – Buffet Style

Lunch Live Streaming Video Dr. David Hart, E4Tech, Switzerland “Global Report on Hydrogen Tech.”

12:50 p.m. Overview of Hydrogen System Development and Deployment

How we got here, how we did it and what next? Dr. Michael Fowler, (Waterloo University)

1:15 p.m. Session 4 Panel: Near-Commercial R&D at Ontario Universities

Moderator – Dr. Aimy Bazylak (U of T Mechanical and Industrial Engineering)

- Current activities at the Waterloo Fuel Cell Research Centre – Dr. Jeff Gostick (Waterloo)
- Study on Grid Impacts resulting from the adoption of Hydrail in Ontario – B. N. Singh (Ryerson)
- Recent Results from the Copper Chloride H₂ Generation Project – Dr. Kamiel Gabriel (UOIT)

2:45 p.m. Refreshment and Networking Break

3:00 p.m. Session 5: Panel: Leverage Cap and Trade Funding for Hydrogen Projects

Moderator: - Brad Chittick (HBC)

- OCE Programs in De-carbonization, criteria for success - Richard Worsfold (OCE)
- Provincial Programs for emerging low carbon transportation solutions – Lora Field (MEDG/MIRS)
- Transport Canada funded R&D on Hydrogen Metro Rail Car – Dr. Mohamed Youssef (UOIT)

4:00 p.m. New Developments in Hydrogen

- Status of Programs to Certify Hydrogen System Technologists – Shane Day (Clean Fuel Systems)
- 2 minute elevators pitches form entrepreneurs in the audience

4:30 p.m. WRAP-UP - Brad Chittick (HBC)

4: 45 p.m. – 7:00 p.m.

*Networking Opportunity – Gabby’s Bar and Grill – 192 Bloor St. West (North side – West of University Ave.)
(our HBC group will be situated in the back room – first floor –)*