

Program Agenda for June 11/12 Hydrail Conference

DAY ONE – June 11th - 8:15 to 8:45 – Registration & Continental Breakfast

8:45-9:00	Welcome and introduction <ul style="list-style-type: none"> Representing Host CUE/Ryerson (Dr. Dan McGillivray) “Welcome” Robert Stasko (SCI) Conference Themes and intro to Opening Speaker
9:00-9:30	Morning Opening Speaker <ul style="list-style-type: none"> Daryl Wilson, CEO Hydrogenics Inc. “Canada’s Past and Future Lead in Hydrogen”
9:30-10:30	Panel 1: Canada, the US and the Birth of Hydrail (Moderator: Stan Thompson) <ul style="list-style-type: none"> Dr. Alistair Miller, AECL “Electricity, Hydrogen and Near-Zero Carbon Emissions” Robert Stasko, SCI “The Ontario Advantage – and The Closing Window of Opportunity” Stan Thompson, “Lessons Learned on the Track Toward Hydrail” Q&A
10:30-10:45	<i>NETWORKING BREAK refreshment</i>
10:45-11:45	Panel 2: Overview of R&DD Progress in Hydrogen and Transportation (Moderator: Balinder Rai, OCE) <ul style="list-style-type: none"> Dr. Mike Fowler, University of Waterloo “The Energy Hub and Transportation” Dr. Forest Wang, UOIT “The Hydrogen Lab and Rail Transportation Applications” Dr. Joseph Chow, Ryerson Engineering “Sustainable Rail Transportation” Q&A
11:45-12:30	Panel 3: Pioneering Projects: Reports from the Early Movers (Moderator: Stan Thompson) <ul style="list-style-type: none"> Stan Thompson, “Hydrail: The Word Made Steel – TIG/m and the World’s First Hydrogen Streetcar” Bill Thunberg, Lake Norman Transportation Commission “Realizing Transit: Clearing the Funding Hurdle” Dr. Shen-En Chen, University of North Carolina at Charlotte “UNC Charlotte’s Hydrail Initiatives ” Q&A
12:30-1:30	<i>LUNCH – BUFFET STYLE - Served in adjacent to conference area</i>
1:30-2:10	Keynote Speaker <ul style="list-style-type: none"> Detlef Matthiessen, Member of Parliament, Schleswig-Holstein FRG
2:10-3:30	Panel 4: Global Forum - Project Reports from the International Community - Hydrogen and Rail (Moderator: Stan Thompson) <ul style="list-style-type: none"> Andreas Hoffrichter, U of Birmingham “Demonstration Hydrogen/Fuel Cell Rail System” Dr. Holger Busche, “Schienenpflieger Hydrail Project”, Germany Dr. Dmitry Grigorovich, Scientific Research Centre for Railway Transport, “H2 Power Car” Q&A
3:30-3:45	<i>NETWORKING BREAK refreshment</i>
3:45-4:45	Panel 5: Future Electrification of Light Rail Transportation in Ontario (Moderator: Andy Hoffer, Ontario Power Generation) <ul style="list-style-type: none"> Karen Pitre, Electrification Project Lead, Metrolinx “The Electrification Plan for GO Transit” Tim Dickson, R&DD Lead, Bombardier Transportation “PRIMOVE – wireless electrification” Q&A
4:45-4:55	Closing Remarks - Day One <ul style="list-style-type: none"> Jason Hoyle, Energy Centre, Appalachian State University
5:00 - 7:00	<i>RECEPTION AT INTERNATIONAL CENTRE</i>

DAY TWO – June 12th - 8:30 to 9:00 – Light Breakfast and Networking

9:00-9:40	Morning Opening Speaker <ul style="list-style-type: none"> The Honourable Glen Murray, Ontario Minister of Transportation and Infrastructure
9:40-10:30	Panel 6: City Building and the Impact of New Transportation Technologies on the GTA (Moderator, Sean Conway – Adjunct Professor - Ryerson) <ul style="list-style-type: none"> Linda Weichel, VP Partnerships, CivicAction John Brodhead, Executive Director, Evergreen CityWorks Q&A
10:30-10:45	<i>NETWORKING BREAK Refreshment</i>
10:45 -11:15	Special Invited speaker <ul style="list-style-type: none"> Prof. Weirong Chen, SW Jiaotong University, China “System Integration of China’s First Hydrogen Locomotive”
11:15-12:15	Panel 7: Electricity Grid Panel - Convergence of Smart Grid, Energy Storage and Transportation (Moderator: Dr. Dan McGillivray, Director Ryerson Centre for Urban Energy) <ul style="list-style-type: none"> Jon Dogterom, Cleantech Lead, MaRs Energy Institute “Clean Public Transportation” Ioan Agavrioloai, Independent Electricity System Operator (IESO) “Operational Outlook” Jason Hoyle, Senior Energy Analyst, Energy Centre, Appalachian State University “Impact of Negative Marginal Cost of Electricity” Ravi Seethapathy, Manager System Innovation and Advanced Grid Development HydroOne “Challenges and Opportunities arising from Surplus Base Load” Q&A
12:15 -12:30	Closing Remarks <ul style="list-style-type: none"> Stan Thompson/Robert Stasko Summary of conference highlights, findings and possible next steps
12:30 -12:40	<i>BOX LUNCH AND PREPARATION FOR TOUR</i>
1:30-3:30	Afternoon Tour <ul style="list-style-type: none"> Hydrogenics Inc. fuel cell plant tour - 220 Admiral Boulevard, Mississauga Ontario