



53th Annual CTRF Conference
June 3-6, 2018
Crowne Plaza Hotel, Gatineau, QC
The Future of Canada's Transportation System
CONFERENCE PROGRAM – MAY 31

DAY ONE		Sunday, June 3, 2018	
1:00 PM		CTRFB Board Meeting (closed)	
Salon Chaudière II			
3:00 PM		Registration Opens	
Terrasse des Nations			
6:00 PM		President's Reception	
Terrasse des Nations			
DAY TWO		Monday, June 4, 2018	
7:00 AM - 8:15 AM		Breakfast Buffet	
Salon Châteauneuf			
8:15 AM - 8:30 AM		Welcome Remarks – Malcolm Cairns – CTRF President	
Salon Nation AB			
8:30 AM - 10:15 AM		Plenary I — <i>The Future of Canada's Transportation System</i> — Modal Perspectives	
Salon Nation AB		Moderator: Marc-André Roy , CPCS Panelists: Jim Athanasiou , Vice-President, P Technology, St. Lawrence Seaway Pierre Loyer , Vice-President, Aéroports de Montréal Gerald Gauthier , A. President, Railway Association of Canada Debbie Murray , Director, Association of Canadian Port Authorities	
10:15 AM - 10:30 AM		Coffee Break – <i>The Railway Association of Canada</i>	
Terrasse des Nations			

<p>10:30 AM - 12:00 PM Salon Nation AB</p>	<p>Session 1.1 – Transportation Trends – The North</p> <p><u>Session Chair:</u> David Stambrook</p> <ol style="list-style-type: none"> 1. Development in the Canadian Arctic: Issues with Logistics and Transportation <i>Malcolm Cairns</i> 2. The Northwest Passage Future Highway or Historic Byway? <i>Christopher Wright</i> 	<p>Concurrent</p>
<p>Salon Nation C</p>	<p>Session 1.2 – Transportation Trends – Issues</p> <p><u>Session Chair:</u> Gordon Baldwin</p> <ol style="list-style-type: none"> 1. Is Adaptive Co-Management a Strategic Technique for Canada's Transportation 2030 Policy Planning? - <i>Chris G. Moser</i> 2. A Review of Canadian Rail Activity in the North American Free Trade Agreement Era - <i>Michael Gullo, Enrique Rosales</i> 3. The Potential Impact of Ride Hailing Entry on Urban Traffic <i>Garland Chow</i> 	
<p>Salon Chaudière I</p>	<p>Session 1.3 – Transportation Trends – Technology</p> <p><u>Session Chair:</u> John Lawson</p> <ol style="list-style-type: none"> 1. How Can Cities Harness Mobility Pricing to Reduce Congestion, Promote Fairness, and Support Investment in Transportation Infrastructure? <i>Adrian Lightstone, Dirk van Amelsfort, Karin Brundell-Freij, Preeya Shah</i> 2. Crafting effective and appropriate management controls: Insights from the Car Rental Industry - <i>Kalinga Jagoda</i> 3. The Future of Transportation - In the Information Age <i>Joseph Monteiro, Barry Prentice</i> 	

<p>12:00 PM - 1:30 PM Salon Châteauneuf</p>	<p>Keynote Speaker Luncheon — Thao Pham — Associate Deputy Minister, Transport Canada</p>	
<p>2:00 PM - 5:00 PM Crowne Plaza lobby</p>	<p>Technical Tours: 1 — Carleton University Visualization and Simulation Centre 2 — National Research Council Testing Facilities</p>	

<p>5:30 PM - 7:30 PM Mill St. Brew Pub Brewmaster's Room</p>	<p>Bison Transport Reception and Debate</p> <p>Resolution — "The Growing Trend Towards Online Shopping with Home Delivery will Increase Urban Traffic Congestion"</p>	
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DAY THREE	Tuesday, June 5, 2018
7:00 AM - 8:30 AM Salon Châteauneuf	Breakfast Buffet / CTRF Annual General Meeting
8:30 AM - 10:15 AM Salon Nation AB	Plenary 2 — The Future of Canada's Transportation System — Infrastructure Needs Moderator: Gregory Peterson, Statistics Canada Panelists: Yves Desjardins- Siciliano , President & CEO VIA Rail Marc Fortin , Assistant Deputy Minister, Infrastructure Canada Sarah Wells , Executive Director, Transportation Association of Canada Mario Iacobacci , Partner, Economics & Asset Advisory, Deloitte
10:15 AM - 10:30 AM Terrasse des Nations	Coffee Break - Chamber of Marine Commerce

10:30 AM - 12:00 PM Salon Nation AB	Session 2.1 – Methods and Models I <u>Session Chair:</u> David Stambrook 1. Assessing the Potential Impacts of Unexpected Closure of a Major Crossing Between Canada and the U.S. - <i>Georgiana Madar, Hanna Maoh, William Anderson</i> 2. Development of a Freight Traffic Model for Halifax, Canada <i>Pauline Laila Bela, Muhammad Ahsanul Habib</i> 3. Analyzing Time Windows and Time Allocation to In-home and Out-of-Home Activities in Workers' Activity Patterns <i>Naznin Sultana Daisy, Lei Liu, Hugh Millward</i>	Concurrent
Salon Nation C	Session 2.2 – Internet and E-commerce <u>Session Chair:</u> Garland Chow 1. Potential Use of Total Logistics Cost as a Measure of E-Commerce Logistics Efficiency - <i>Michael Machum</i> 2. Getting a Lift: Peer-to-Peer Ridesharing in Canada <i>Aya Hagag, Lawrence McKeown, Nicole Minnema, Mark Uhrbach</i> 3. E-Commerce Logistics in Canada <i>Glareh Amirjamshidi, Moataz Abdelkhalek, Elkafi Hassini</i>	
Salon Chaudière I	Session 2.3 – Roads and Vehicles I <u>Session Chair:</u> Adrian Lightstone 1. Evaluation of Potential Policy Issues When Planning for Autonomous Vehicles <i>Adekunle Mofolasayo</i> 2. Design Parking Facilities for Autonomous Vehicles <i>Mehdi Nourinejad, Sina Bahrami, Matthew J. Roorda</i> 3. Short-Term Impacts of Autonomous Vehicles on Canadian Government Finances - <i>Jacob Terry, Chris Bachmann</i>	

12:00 PM - 1:30 PM

Keynote Speaker Luncheon — **Senator Dennis Dawson** —
Technology and the Future of the Automated Vehicle

Salon Châteauneuf

1:45 PM – 3:15 PM

Salon Nation AB

Session 2.4 – Aviation

Session Chair: Robert Larmour

1. From Across the Border to Across the Pond: Canadian Air Passenger Travel, 2007 to 2016 - *Carrie Parcher, Trevor Bova, Robert Larmour, Lawrence McKeown*
2. The Future of Canada's Transportation System: Has Canada Learnt from Outbreaks such as SARS, Ebola, H1N1 and MERS? *Gordon Baldwin*

Salon Nation C

Session 2.5 – Maritime and Ports

Session Chair: Mark Hemmes

1. Critical Infrastructure Management: Ports
Alireza Mohammadi
2. Work-related Mobility and Fatigue on the Great Lakes and St. Lawrence River: Canadian Seafarers' Experiences - *Desai Shan*
3. Future of Containerization: Rapid Growth or Maturation?
Barry E. Prentice, Joseph Monteiro

Salon Chaudière I

Session 2.6 – Environment and Planning I

Session Chair: Georgiana Madar

1. Cost of Compliance with Carbon Regulations for Canada's Rail and Truck Sectors - *Joe Rogers, Farr Fatemi, Bryce Edwards*
2. Modal Shift: Towards a Lower Carbon Economy
Allison Pratt, Lawrence McKeown
3. Low Carbon Pathways for On-road Freight
Jenifer Johnston

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Concurrent

3:15 PM – 3:30 PM

Coffee Break

Terrasse des Nations

3:30 PM – 5:00 PM

Salon Nation AB	Session 2.7 – Rail Transport <u>Session Chair:</u> Mark Hemmes 1. The State of Railway Safety in Canada: An Assessment <i>Joseph F. Schulman, Joel Carlson</i> 2. As the Crow Flies: Canadian Grain Freighting Regulation from 1897 to the Present - <i>Mary-Jane Bennett</i> 3. The 2013-2014 Crop Year: Performance of the Grain Handling and Transportation System in a Challenging Time - <i>Mark A. Hemmes</i>	Concurrent
Salon Nation C	Session 2.8 – Methods and Models II <u>Session Chair:</u> Matthew Roorda 1. Modelling Injury Severity of Pedestrians in Collisions Involving Distracted Driving - <i>Mahmudur Rahman Fatmi, Muhammad Ahsanul Habib</i> 2. Inferring Activity Selection and Scheduling Behavior of Population Cohorts for Travel Demand Modeling - <i>Mohammad Hesam Hafezi, Hugh Millward, Lei Liu</i> 3. Making Informed Route Choices Using V2V/V2I Communications: The Case of Highway 401/402 Corridor - <i>Shakil Khan, Sarah Khalid, Hanna Maoh, Kemal Tepe</i>	
Salon Chaudière I	Session 2.9 – Roads and Vehicles II <u>Session Chair:</u> Adrian Lightstone 1. The Development and Application of a Maturity Model to Understand Volunteer Driver Program Practices - <i>Mathieu Goudreau, Trevor Hanson</i> 2. Why Do People Rent Passenger Vehicles? Evidence from Canada <i>Terence Dimatulac, Hanna Maoh, Shakil Khan</i> 3. Competition in the Canadian Taxi Industry <i>Joseph Monteiro, Barry E. Prentice</i>	

6:00 PM – 6:15 PM	Buses depart for CTRF Conference Dinner	
6:30 PM – 9:30 PM	Conference Dinner – Ottawa River Cruises	

DAY FOUR	Wednesday, June 6, 2018	
7:00 AM - 8:30 AM Salon Châteauneuf	Breakfast Buffet	
7:30 AM- 8:30 AM Salon Chaudière II	CTRF Board Meeting (closed)	

<p>8:30 AM - 10:15 AM</p> <p>Salon Nation AB</p>	<p>Plenary 3 — The Future of Canada's Transportation System — Data and Analytics</p> <p>Moderator: Mario Lapointe, Transport Canada</p> <p>Panelists:</p> <p>Christian Dea, Chief Economist and Director General, Transport Canada Rolf Schmitt, Deputy Director, U.S. Bureau of Transportation Statistics Greg Peterson, Director General, Statistics Canada Malcolm Cairns, Principal, Malcolm Cairns Research Consulting</p>
<p>10:15 10:30</p> <p>Terrasse des Nations</p>	<p>Coffee Break – The Railway Association of Canada</p>

10:30 AM - 12:00 PM

<p>Salon Nation AB</p>	<p>Session 3.1 – Data and Metrics</p> <p><u>Session Chair:</u> Michael Scrim</p> <ol style="list-style-type: none"> 1. Big Wheels and Small Carriers: Canada's Small For-hire Trucking Industry <i>Maisie Karam, Vincent Dubé,, Lawrence McKeown</i> 2. Modernizing Statistics Canada's Transportation Surveys <i>Serge Godbout, Nathalie Hamel</i> 3. Transportation Taxonomy – Working Paper <i>Bradley Hull, Charles Watts</i>
<p>Salon Nation C</p>	<p>Session 3.2 – Environment and Planning II</p> <p><u>Session Chair:</u> Georgiana Madar</p> <ol style="list-style-type: none"> 1. What Could an Environmental Assessment for a Hyperloop Look Like? <i>James Jarrett</i> 2. Integrating Sustainable Transportation in Decision-making Processes: A Comparison of Cost-Benefit Analysis and Multi-Criteria Decision Aiding <i>Francis Marleau Donais, Irène Abi-Zeid, Owen Waygood, Roxane Lavoie</i> 3. Making ¢ents of Reducing Aviation Greenhouse Gas Emissions <i>Matthew Olsheskie, Robert Larmour, Lawrence McKeowns</i>
<p>Salon Chaudière I</p>	<p>Session 3.3 – Policy and Planning</p> <p><u>Session Chair:</u> Barry Prentice</p> <ol style="list-style-type: none"> 1. Assessment of Non-motorized Transport Infrastructure in Addis Ababa, Ethiopia (Case of pedestrian and cyclists infrastructure) - <i>Abraham Berhe Aregawi</i> 2. Light Rail (Dis)Placement: Neighbourhood Choice, Transit and Labour Market Outcomes - <i>Justin Tyndall</i> 3. An Investigation into the Nigerian Rail Transport Quality of Service: From the Passengers' Perspective - <i>Abraham Pius, Obioma Nwaogbe , Innocent Ogwude</i>

Concurrent

<p>12:00 PM - 1:30 PM</p> <p>Salon Châteauneuf</p>	<p>CTRF Awards Luncheon</p>
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