



2016 CONFERENCE BULLETIN – PROGRAM UPDATES

Last-minute changes are inevitable at a major event such as the TAC Conference & Exhibition. All delegates are strongly encouraged to take note of the following changes and additions to the conference program. Changes have been identified by date, in order of appearance in the Delegate Program. **Most changes already appear in the Conference Mobile Application.**

Technical Program

Monday, September 26 AM

ETHICS! IT'S YOUR CHOICE (PD): The new moderator of this panel discussion is Peter Dent, Partner, Americas Leader of Deloitte Forensic, Global Leader of Deloitte's Center for Crisis Management, Chair and President, Transparency International Canada.

Monday, September 26 PM

CURRENT PRACTICES FOR MITIGATION AND REMEDIATION OF CONTAMINATION FOR ROADS AND BRIDGES (PD): A fifth panelist, Diane Ivanauskas, Senior Policy Analyst, Waste and Contamination Specialist, MTO, will now present *Identification and Management of Contaminated Property*.

GEOMETRIC DESIGN – EMERGING ISSUES (SES): The first presentation entitled *Establishing the Minimum Ground Clearances for the TAC Design Vehicles Based on The Desirable Grades and the Maximum Grade Changes* has been cancelled. The next scheduled presentation will begin at 13:45.

SOLVING CONGESTION IN THE CHEAPEST WAY POSSIBLE: PRICE IT (PD): The title of the first presentation by Geoff Cross, Acting Vice-President, Transportation Planning and Policy, TransLink has been changed to *Moving on Mobility Pricing in Vancouver – Shaking off the Status Quo*. The last presentation entitled *Implementing High Occupancy Toll Lanes in Ontario* will now be presented by Scott Pegg, Director, HOT Lanes Pilot Office, MTO.

MAKING TRANSPORTATION MORE EFFICIENT THROUGH CONNECTED AND AUTOMATED VEHICLES (PD): The new co-chairs of this panel discussion are Jeannette Montufar, Founding Partner, MORR Transportation Consulting Ltd. and Nelson Costa, Manager, Corridor Control & Safety, York Region.

The order of panelists and revised presentation titles are:

- *Automated Vehicles: Issues and Opportunities* by Richard Bishop, Automated Vehicles Industry Analyst, Bishop Consulting
- *Transforming How We Move – Connected and Automated Vehicles* by Blaine Leonard, AASHTO Connected & Automated Vehicles Working Group, ITS Program Manager, Utah DOT
- *Special Considerations When Introducing AVS in the City of Toronto* by Ryan Lanyon, Manager, Street Furniture, City of Toronto
- *Automated Vehicles – Where and When?* by David Adams, President, Global Automaker of Canada
- *Connected and Automated Vehicles: How Can Canada Get Ready?* by Carl Andersen, Connected Vehicle Program Manager, Federal Highway Administration
- *Ontario's Automated Vehicle Regulatory Framework* by Ryan Bailey, Manager, Road Safety Policy Office, MTO, Safety Police Education Branch
- *ITS and Contribution to Transportation Efficiency* by Roy Hulli, Senior Engineer, MTO, Intelligent Transportation Systems
- *Testing the Performance of Automatic Braking Systems* by Paul Boase, Chief, Road Users, Transport Canada, and
- *Connected Vehicle/Automated Vehicle Program* by Martin Lord, Business Development Manager, Southwest Ontario, Ontario Centres of Excellence

ONTARIO MINISTRY OF TRANSPORTATION PRESENTATIONS (SES): The presentation entitled *The Evolution of Winter Maintenance in Ontario, including the Introduction of "Track My Plow"* will now be co-presented by Kevin Bentley, Director of Maintenance, Provincial Highway Management Division; Alain Beaulieu, Manager, Maintenance Management Office; David Kerr, Regional Maintenance Engineer, all from MTO; and Bruce Crouse, Vice-President, Business Development, DM&T Services Ltd.

SUSTAINABILITY AND CLIMATE CHANGE CONSIDERATIONS IN PAVEMENTS (SES): The title of the last presentation by Ludomir Uzarowski, Principal, Senior Pavement and Materials Engineer, Golder Associates Ltd., has been changed to *Case Studies of Pavements Located on Melting Permafrost at Northern Airports*.

Tuesday, September 27 AM

CROSS ASSET ANALYSIS AND OPTIMIZATION – SOLUTIONS FOR INFORMED DECISION MAKING (SES): The last presentation entitled *Developing and Operationalizing Integrated Cross-Asset Investment Planning for Public Infrastructure* will now be presented by Nick Larson, Professional Engineer, GM BluePlan Engineering Limited, and Milos Posavljak, Professional Engineer, University of Waterloo, City of Waterloo.

MANAGING SOCIAL MEDIA THROUGHOUT THE PROJECT LIFE CYCLE – OPPORTUNITIES AND CHALLENGES (PD): A fifth panelist, Donovan Toews, MCIP, Landmark Planning & Design Inc. will now present *You Can Run but You Can't Hide: Public Infrastructure Projects and the Social Media 'FIB'*.

ONTARIO MINISTRY OF TRANSPORTATION PRESENTATIONS (SES): The 08:30 presentation entitled *Replacement of Bridges by Heavy Lift* will now be presented by Frank Vanderlaan, Area Manager, Highway Engineering, Provincial Highways Management Division. *Replacement of Bridges by Jack and Slide* will now be presented by Matthew Bowser, Project Engineer, MMM Group. Stephen Senior, Head, Soils and Aggregates Section, Provincial Highways Management Division, and Becca Lane, Manager, Materials Engineering and Research Office, will present the 10:30 presentation entitled *Life Cycle Costing and Alternative Bid Contracts*.

MOVING SMARTER IN CANADIAN CITIES – EXPLORING ENERGY AND GREENHOUSE GAS EMISSION REDUCTION SOLUTIONS. WHAT ARE THE CHALLENGES FOR 2030? (A) (SES): The presentation entitled *Commuting Trade-Offs of Two-Worker Households in the Greater Toronto Area (GTA)* has been cancelled.

NEXT GENERATION REGIONAL CORRIDOR MANAGEMENT (SES): The presentation entitled *Integrated Corridor Management – A Precursor to Connected Vehicles and Automated Vehicles* will now be presented by Cristian Crosato, Engineer-in-Training, Ministry of Transportation of Ontario.

STRUCTURES (A) (SES): The chair of this session will now be Darrell Evans, Acting Assistant Director, Capital Projects Division, P.E.I. Transportation, Infrastructure and Energy.

Tuesday, September 27 PM

SAFELY MANAGING ROAD USERS (B) (SES): The presentation entitled *Railway Safety at Grade Crossings* will now be presented by Stephanie Roller, Senior Engineer, Transport Canada.

BIG DATA APPLICATIONS FOR TRAVEL DEMAND MANAGEMENT (SES): After the 15:15 refreshment break, the next two presentations will now be presented at 15:45 and 16:15. One additional presentation by Ofer Avni, CEO, Cellint Traffic Solutions, entitled *Mobile Phone Big Data for Transportation Planning and Management* has been added at 16:45.

EFFICIENT TRANSPORTATION – MANAGING THE CONSTRUCTION DEMAND (A) (SES): The presentation entitled *Next Practices in Project Delivery Drives Roadway Success* will now be presented at 15:45 by Kenneth Sullivan, Associate Professor, Arizona State University, and Jeff Sawyer, Director of Strategic Engagements, Arizona State University. The following presentation will be presented at 16:15.

ONTARIO MINISTRY OF TRANSPORTATION PRESENTATIONS (SES): The 15:45 presentation entitled *Expanding Ontario's Transit and Transportation Infrastructure* will now be co-presented by Chris Gauer, Executive Vice-President, Civil, Roads and Transit, Infrastructure Ontario; Mathew Kattapuram, Senior Vice-President, Strategic Business Development, Aecon Group Inc. and Martin Stickland, Senior Vice-President, Plenary Group. The next two presentations have been moved to Wednesday morning.

MTO'S 100TH ANNIVERSARY – A HISTORY OF ROAD SAFETY INITIATIVES AND WHAT THE NEXT 100 YEARS MAY INCLUDE (PD): The chair of this panel discussion has been changed to Ali Hadayeghi, Partner and Vice-President, Transportation, CIMA+. The last presentation entitled *The Science of Highway Safety – Yesterday, Today, Tomorrow* has been cancelled.

UPDATES FROM METROLINX: EMERGING ISSUES FOR THE NEXT REGIONAL TRANSPORTATION PLAN – NEW MOBILITY (PD): This panel discussion is co-sponsored by the Transportation Planning and Research Standing Committee of the Urban Transportation Council. The second presentation, entitled *New Mobility – Implications for the Greater Toronto and Hamilton Area*, will be presented by Daniel Haufschild, Vice-President Urban Mobility, WSP | MMM Group and Michael Roschlau, Past President and CEO, Canadian Urban Transit Association. The third presentation, entitled *Sharing the Road – Leveraging the Promise and Avoiding the Perils of Shared Mobility in the GTHA*, will be presented by Sunil Johal, Policy Director, Mowat Centre, University of Toronto.

WHAT CITY PLANNERS PROPOSE FOR TRANSPORTATION ENGINEERS – A SHIFT IN PARADIGM (PD): This panel will offer the following presentations: *Road and Highway Design* by Bob Koziol, Discipline Lead, Municipal Roads, WSP | MMM Group; *City Planner From Halifax* by Bob Bjerke, Halifax Chief Planner and Director, City of Halifax; *City of Toronto* by James Perttula, Director of Transit and Transportation Planning for the City of Toronto; and *City Planner From Calgary* by Desmond Bliet, Senior Planner, City of Calgary.

Wednesday, September 28 AM

INNOVATIONS IN PAVEMENT MANAGEMENT, ENGINEERING AND TECHNOLOGIES – DESIGN APPLICATIONS (SES):

The presentation entitled *Coloured Asphalt Bus Rapid Transit Lanes in the Regional Municipality of York: Integrating Laboratory Performance Testing into Sustainable Pavement Asset Management* will now be presented by Mehran Kafi Farashah, Asset Management Analyst, The Regional Municipality of York.

MAKING TRANSPORTATION MORE EFFICIENT DURING THE 2015 PAN AM GAMES IN TORONTO (SES): The presentation scheduled at 11:30 entitled *Games-Time Analytics: The Role Data Played During the 2015 Pan AM/Parapan AM Games* has been cancelled.

ONTARIO MINISTRY OF TRANSPORTATION PRESENTATIONS (SES): The 10:30 presentation entitled *Provincial Initiatives* will be co-presented by Nicole Forbes and Brenda Carruthers, Senior Policy Analysts, and Brittany Friesman, Assistant Policy Analyst, all from Policy and Planning Division. Two new presentations have been added – *Wildlife Conservation on the Highway 69 Project*, delivered by Terri Rogers, Senior Environmental Planner, Provincial Highways Management; and *Enhanced Fish Passage*, delivered by Kirstie Houston, Environmental Planner, Provincial Highways Management Division.

ROAD SAFETY MANAGEMENT IN TEMPORARY SITUATIONS (SES): The first presentation entitled *Development of an Unplanned Road Closure Protocol for New Brunswick Provincial Highway System* will now be co-presented by Robert Sharpe, Business Manager, Opus International Consultants Limited, and Jay Cunningham, Assistant Director, New Brunswick Transportation and Infrastructure.

Wednesday, September 28 PM

2016 TAC EDUCATIONAL ACHIEVEMENT AWARD NOMINATIONS (SES): The chair of this session has been changed to Darlene Clevon, Vice-President, Allan Widger Consulting Corporation. The presentation entitled *The Cone Zone Experience* has been cancelled. The title of the last presentation by Heather Crewe, Manager, Professional Development and Training, Ontario Good Roads Association, has been changed to *Preparing Ontario's Municipalities to Manage Their Infrastructure Assets: A New Accreditation Program*.

2016 TAC ROAD SAFETY ENGINEERING AWARD NOMINATIONS (SES): The chair of this session will now be Peter Park, Associate Professor, Department of Civil Engineering, Lassonde School of Engineering, York University.

2016 TAC SUSTAINABLE URBAN TRANSPORTATION AWARD NOMINATIONS (SES): The last presentation entitled *Transforming the Way Toronto Moves* will now be presented by Greg Percy, Chief Operating Officer, Metrolinx.

AASHTOWARE PAVEMENT ME DESIGN – CANADIAN IMPLEMENTATION EFFORTS (PD): This panel discussion will now be co-chaired by Marta Juhasz, Director, Surfacing Engineering, Alberta Transportation and Hugh Donovan, Integrated Infrastructure Services Construction, Services Engineer, City of Edmonton.

Poster Sessions

CROSS ASSET ANALYSIS AND OPTIMIZATION – SOLUTIONS FOR INFORMED DECISION MAKING (PS): The poster entitled *Setting Customer-Focused Transportation Performance Measures and Condition Indicators* will now be presented by Simon Bush, Technical Principal, Structures, Opus International Consultants.

NEXT GENERATION REGIONAL CORRIDOR MANAGEMENT (PS): The poster entitled *A Systematic Approach to the Planning of a Region-Wide RWIS Network* will now be presented by Liping Fu, Professor, University of Waterloo.

Technical Tours

The following technical tours have been cancelled. Visit the Info Booth if you need details or to schedule a different tour.

- A3 – 401/10 Highway Maintenance Patrol Yard
- B2 – 407 ETR (Express Toll Route)
- E1 – TTC Transit Network
- G-2 – Eglinton Crosstown LRT
- H1 and H2 – Highway 407 East Community Value Plan Elements
- L1 – Queen's Quay Revitalization and Pan Am Village
- M2 – York Region Viva Rapidways
- N2 – East Region Bus and Rail Facilities

W. H. Yeates Exhibition

Booth #441 Alcohol Countermeasure Systems Corp is now ACOLOCK CANADA.

The following new exhibitors have been added:

- **AEC Solutions Inc. – Table top #4**

Developing and delivering practical workflows using computing cloud and mobile technology to replace inefficient desktop design and contract administration processes. AEC Solutions is building innovative and connected applications to streamline project delivery from concept cost estimating to construction progress payments.

- **McAsphalt Industries Limited – Table top #5**

Supplier of performance graded asphalt cements and all grades of polymer-modified asphalts, emulsions, warm mix asphalt, cutback asphalt, hot pour crack sealants and waterproofing membranes. Engineering services: mix design, pavement analysis, technical assistance and field support.

- **Metro College of Technology – Table top #15**

- **Metrolinx – Table top #17**

Metrolinx, an agency of the Government of Ontario under the Metrolinx Act, 2006, was created to improve the coordination and integration of all modes of transportation in the GTHA. Our mission is to champion, develop and implement an integrated transportation system for our region that enhances prosperity, sustainability and quality of life.

- **Rival Solutions – Booth #518**

Rival Solutions provides infrastructure managers and engineering service providers with diverse mobile data collection systems, automated data processing, and dashboard reporting to drive decisions for roadways, pathways, trails, and sidewalks.

- **R. J. Burnside & Associates Limited – Table top #1**

Burnside mobile's new web application helps prove compliance with Regulation 239/02 and provides key LOS performance measures for asset management best practices.

- **Salit Specialty Rebar, Division of Salit Steel – Table top #6**

Stainless steel rebar manufacturer with over 13 years of operational knowledge. We inventory all common sizes, types and grades of stainless steel rebar, and operate from two plants with over 20,000 tons of annual manufacturing capacity dedicated solely to stainless steel rebar – Niagara Falls and Buffalo, NY.

- **TUF-BAR Canada – Booth #401**

Manufacturer of GFRP fiberglass rebar located in Erin, Ontario. TUF-BAR Canada is the Canadian manufacturer for TUF-BAR Inc. GFRP products out of Edmonton, Alberta.

IN THE EVENT OF ANY OTHER PAPER CANCELLATIONS, ALL SESSION SCHEDULES PUBLISHED IN THE DELEGATE PROGRAM WILL REMAIN UNCHANGED.