# Registration

Hall 2000 Sunday, October 05 8:00 - 19:00

**Description:** 

# **Prayer Room**

Prayer Room - 305 Sunday, October 05 8:00 - 17:00

**Description:** 

# Presenter & Moderator Lounge/Ready Room

205B Sunday, October 05 12:00 - 17:00

## **Description:**

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

# **Tour: Traffic Management Centre**

Sunday, October 05 13:00 - 14:30

**Description:** 

Pre-registration required

Capacity: 24 Participants
Mode of Transportation: Bus

The Traffic Management Center ensures effective management of the Ministry's road network, both in terms of prevention and intervention, to ensure user safety and facilitate province-wide travel. Operating 24 hours a day, 365 days a year, this essential service monitors the network, alerts emergency services and supports recovery operations.

# **CO.4 Solving Utility Conflicts on Projects**

308B

Sunday, October 05 13:00 - 16:00

#### Moderator

Ophir Wainer

#### Presenter

Steve Murphy, Lawrence Arcand, Mark Cavanaugh, Roy Sturgill, Blaine Hunt

# **Description:**

#### Organized by the Utilities Management Subcommittee of the Construction Committee

The workshop will present three potential utility problems. In small teams, workshop participants will tackle one problem then present their insights to the full group for discussion.

# Tour: Canam Bridges – Québec City Plant Tour

Sunday, October 05 13:00 - 16:00

### **Description:**

Pre-registration required

Capacity: 24 Participants
Mode of Transportation: Bus

Canam Bridges is delighted to welcome you to its Quebec City plant. From design to finishing, discover the steel bridge manufacturing process which has contributed to major projects such as the new Champlain Bridge and the Gordie Howe International Bridge. The tour includes a visit to Canam Bridges' brand-new robotic paint and metallizing plant, an important addition that further enhances the quality of its projects.

## Personal Protection Equipment (PPE) required:

Provided: Hard hats and safety goggles
Not provided: Steel-toed footwear

# Tour: 2025 National Snowplow Championship – Grand Finale (Afternoon)

Sunday, October 05 13:30 - 16:45

# **Description:**

Pre-registration required

Capacity: 25 Participants

Mode of Transportation: Bus

The Charlesbourg Transportation Training Centre will host the TPQuébec National Snowplow Operator Championship on Sunday, October 5. This public event places you at the heart of the grand finale, where top operators compete with precision, speed, and mastery of safety procedures on technical courses. A unique opportunity to witness operational excellence in winter road maintenance and the practices that support performance and roadway safety across Canada.

<sup>\*\*</sup>This tour is not accessible to persons with reduced mobility. \*\*

# Women in Transportation – 2nd Annual Meet & Greet

Foyer 206 Sunday, October 05 15:00 - 16:00

### **Description:**

Wine & Cheese Mixer; Business casual attire.

Creating new experiences to help you grow your network. The <u>WTS Toronto Area Chapter</u> is hosting an opportunity for you to meet fellow *Women in Transportation* TAC Conference attendees.

Join us on Sunday, October 5, from 15:00 to 16:00 ET for a wine and cheese mixer designed to kick-start your TACConf networking experience.

# **Awards Ceremony**

Room 200 Sunday, October 05 16:00 - 17:00

## **Description:**

Business casual attire

The Transportation Association of Canada (TAC) is proud to host a new **Awards Ceremony** during the 2025 TAC Conference & Exhibition to celebrate this year's award recipients. This event highlights **outstanding achievements and contributions** from across Canada's transportation sector, recognizing the leadership, innovation, and dedication of TAC's organizations and individuals.

Join us as we celebrate excellence through three distinct award categories:

- <u>Technical Achievement Awards</u> Recognizing outstanding initiatives in Canada's transportation sector, with a focus on roads, highways, and urban transportation.
- Young Professional Awards Recognizing emerging practitioners in Canada's transportation sector.
- <u>Volunteer Recognition Awards</u> Highlighting the exceptional contributions made by our volunteers, both individuals and groups.

The ceremony will include brief remarks, onstage presentations, and reflections from distinguished honorees.

## Award Winners - Capture the Moment!

After the ceremony, award recipients are asked to stay for official photos, and can then stop by the **flipbook station** to create a print or digital keepsake to mark the occasion!

# **Welcome Reception**

Foyer and Room 2000 Sunday, October 05 17:00 - 19:00

### **Description:**

Business casual attire. Paid bars will be available; only credit and debit cards will be accepted.

## Say "Bienvenue" to the 2025 TACConf at the Welcome Reception

Set in the spacious Foyer and Room 2000 of the Québec City Convention Centre, this year's Welcome Reception offers a relaxed start to your TAC Conference experience.

Reconnect with colleagues, make new connections, and enjoy a drink and light hors d'oeuvres featuring **local flavours** as you explore the Exhibition. Whether you're a first-time attendee or a TACConf regular, this is the perfect opportunity to ease into the week's events.

Plus, skip the Monday rush — **pick up your badge early on Sunday** and get a head start on everything the conference has to offer.

# **Exhibition Open**

Foyer and Room 2000 Sunday, October 05 17:00 - 19:00

### **Description:**

Business casual attire

The Exhibition is the hub of activity at the 2025 TACConf, bringing together over **80 exhibiting companies** from across Canada. It opens during the **Welcome Reception on Sunday evening (17:00–19:00 ET)** and remains accessible throughout the day on **Monday and Tuesday**. Be sure to explore the booths and connect with suppliers, consultants, and government partners before the Exhibition closes at **16:00 ET on Tuesday**.

The Exhibition Hall and Foyer also offer a variety of features and services to enhance your conference experience:

- Mobile phone charging station Rent a complimentary portable battery (secured with a credit card).
- Continental breakfasts, coffee breaks, and desserts Enjoy refreshments throughout the day, including dessert and coffee served after lunch.
- Lounge furniture Take a break, catch up on notes, or connect with colleagues.
- LED wall Stay informed with conference updates and announcements.

# Registration

Hall 2000 Monday, October 06 7:30 - 18:00

# **Description:**

# **Exhibition Open**

Foyer and Room 2000 Monday, October 06 8:00 - 16:00

#### **Description:**

Business casual attire

The Exhibition is the hub of activity at the 2025 TACConf, bringing together over **80 exhibiting companies** from across Canada. Be sure to explore the booths and connect with suppliers, consultants, and government partners before the Exhibition closes at **16:00 ET on Tuesday.** 

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- Continental breakfasts, coffee breaks, and desserts Enjoy refreshments throughout the day, including dessert and coffee served after lunch.
- Lounge furniture Take a break, catch up on notes, or connect with colleagues.
- LED wall Stay informed with conference updates and announcements.

## Continental Breakfast in the Exhibition Hall

Foyer and Room 2000 Monday, October 06 8:00 - 8:30

#### **Description:**

# **Prayer Room**

Prayer Room - 305 Monday, October 06 8:00 - 17:00

**Description:** 

# Presenter & Moderator Lounge/Ready Room

205B Monday, October 06 8:00 - 17:00

### **Description:**

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

# **Opening Plenary Session**

Room 200 Monday, October 06 8:30 - 10:00

## **Description:**

Business casual attire

This year's Opening Plenary Session will begin with welcome remarks from conference dignitaries and transition to a panel discussion offering diverse perspectives on the 2025 Conference theme, "Building a Sustainable Transportation Legacy." Sarah Wells, Executive Director of TAC, will serve as the moderator, and the panel will comprise transportation leaders from federal, provincial, and municipal governments:

- Frédéric Pellerin , Ministère des Transports et de la Mobilité durable (Québec)
   Frédéric holds a degree in geological engineering and a master's degree focused on the recycling of road materials.
   He is the Assistant Deputy Minister for Engineering and Infrastructure at the Ministère des Transports et de la Mobilité durable du Québec, as well as the Canada—Québec First Delegate to the World Road Association (PIARC). A member of the board of directors of TAC and part of its Chief Engineers' Council, he has over 20 years of experience in road infrastructure project management, contract management, and major road projects.
- Stephanie Hébert , Transport Canada Stephanie was appointed Assistant Deni

Stephanie was appointed Assistant Deputy Minister, Programs Group, at Transport Canada in Ottawa in July of 2021. With over 25 years in public service, she was an ADM at Employment and Social Development Canada, and held executive roles with Service Canada, Treasury Board Secretariat, and Canadian Heritage. Her leadership spans communications, stakeholder relations, federal—provincial affairs, service transformation, and program delivery. Stephanie holds a BA from Carleton University, a Master's in Professional Communication from Royal Roads University, and certificates in Public Sector Leadership and Governance.

# • Lon LaClaire, City of Vancouver

As the General Manager of Engineering Services at the City of Vancouver, Lon oversees 2,200 staff and \$800M in annual operating and capital budgets. Passionate about "city building", he leads the design, construction, and maintenance of public infrastructure and directs planning and regulatory functions across the city's largest department to deliver key services, including transportation, water, sewers, waste management, and district energy. With over 20 years in the Transportation Division, Lon previously served as Director of Transportation. He holds degrees from Concordia University and the University of Calgary in engineering.

Together, the panel will explore what it means to build a sustainable legacy, highlight local and national initiatives, and reflect on how governments can collaborate more effectively to advance shared transportation priorities. The discussion will include an opportunity for the audience to ask questions.

This event will be recorded and made available to registered delegates after the conference.

# **Refreshment Break**

Foyer and Room 2000 Monday, October 06 10:00 - 10:30

# **Description:**

# RS.10 Road Safety Planning, Safe System and Vision Zero

202

Monday, October 06 10:30 - 12:00

#### **Moderator**

Soroush Salek

#### **Presenter**

Lara Bouck, Melissa Porcaro, David Smith, Arlene Pinay, Justin White

## **Description:**

Organized by the Road Safety Committee

Ministry of Transportation Ontario Safe System Assessment Framework Soroush Salek, CIMA+

Justin White, Ontario Ministry of Transportation

The \$1 Million Plan to Eliminate Traffic Deaths and Serious Injuries - Vision Zero Central Florida

Lara Bouck, MetroPlan Orlando Melissa Porcaro, HDR Corporation

Cote First Nation - Improving Community Safety through Safe Transportation Planning

David Smith, AECOM Canada ULC Arlene Pinay, Cote First Nation

# **GD.1 All Highways Great and Small: Interchanges, Major Facilities, and Two- Lane Highways**

306A

Monday, October 06 10:30 - 12:00

#### **Moderator**

Tim Murphy

#### Presenter

Monique Aubry, Julia Maloney, Douglas Raby, Kevin Barrett, Bernard James

### **Description:**

#### Organized by the Geometric Design Committee

Gouvernance binationale, les enjeux et les opportunités : Le cas du projet Tunnel Transalpin Lyon-Turin Monique Aubry, Université du Québec à Montréal

Participating in Highway Projects in Ontario through the Independent Quality Assurance Firm model Julia Maloney, Parsons
Bernard James, Parsons

Britannia Road Transformed: Forging a 9.2-Kilometer, 6-Lane Super Corridor with Vital Water & Wastewater Infrastructure Amidst Dynamic Challenges

Douglas Raby, Jacobs

Kevin Barrett, Regional Municipality of Halton

# SO.1 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

203

Monday, October 06 10:30 - 12:00

#### **Moderator**

Amin Mneina

#### Presenter

Hanaa Al-Bayati, Daniel Baggio, M. Alauddin Ahammed, Tim Smith

#### **Description:**

#### Organized by the Soils and Materials Committee

Effect of Coarse Recycled Aggregates and Supplementary Cementitious Materials for Interlocking Concrete Pavers Performance

Hanaa Al-Bayati, University of Waterloo

Case Study on the Use and Performance of Concrete Roundabouts in the County of Essex

Daniel Baggio, County of Essex

Tim Smith, Cement Association of Canada

An Investigation of the Benefits of Recycled Glass Powder as a SCM and GUL Cement

M. Alauddin Ahammed, Manitoba Transportation and Infrastructure

# **ST.1 Transportation Structures**

309B Monday, October 06 10:30 - 12:00

#### Moderator

Azita Azarnejad

#### **Presenter**

Joel Covert, Mohammad Sherjeel Akbar, Keith Kirkwood, Derek Simms

## **Description:**

# **Organized by the Structures Committee**

Pattullo Bridge Replacement: Surrey Multi-Use Path Structure, Design & Construction Challenges Mohammad Sherjeel Akbar, Hatch

Two Galloping Goose Trail Pedestrian Bridges - Designed with Active Transportation Users in Mind Keith Kirkwood, Stantec Consulting Ltd.

The Challenges of Replacing Existing Pot-Bearings Joel Covert, Egis Derek Simms, Egis

# CC.10 Emergency Preparedness in the Face of Climate Change and Extreme Weather Events

309A Monday, October 06 10:30 - 12:00

## Moderator

Andrew Harkness

#### **Presenter**

Jean-François Lépine, Sam Worrall, Rebecca Leitschuh, Mani Rajendran

## **Description:**

#### **Organized by the Climate Change Integrated Committee**

As climate change impacts intensify, communities are increasingly exposed to severe and unpredictable weather events. This session will explore the urgent need for adaptive emergency preparedness strategies to address the growing frequency and intensity of extreme weather incidents—ranging from wildfires and hurricanes to flooding and prolonged heat waves. Attendees will gain insights into the latest risk assessment models, innovative response planning, and the importance of resilient infrastructure and community and network-based strategies to protect lives and property.

# DA.2 Data Governance, Al and the Future of the Transportation

308A Monday, October 06 10:30 - 12:00

#### Moderator

Jonathan Parent

#### **Presenter**

Jesse Coleman, Daniel Weng, Rod Malehmir, Arif Rafiq

# **Description:**

#### Organized by the Digital Applications Committee

Most transportation authorities are aware of emerging sensor technologies and other new data sources, but many have limited resources to assess, procure and manage them. Some hesitate to replace tried-and-true tools (e.g. manual counts, pneumatic tubes), or to establish proactive data governance and management strategies. This session will feature a wide-ranging discussion around data governance and management practices, and the need for structured approaches to adopting and using emerging data sources and tools including AI.

# CO.1 Cost-Effective Construction Solutions for an Aging and Underfunded Network

204B Monday, October 06 10:30 - 12:00

#### Moderator

Philippe Normand

#### **Presenter**

Etienne Gill-Lachance, Sébastien Galipeau, Brice Philippe

## **Description:**

## **Organized by the Construction Committee**

Méthodes innovatrices utilisées près d'une infrastructure critique pour la construction de la station du REM à YUL Aéroport International Montréal-Trudeau

Brice Philippe, Aecon

Implantation de la construction accélérée de ponts au Québec.

Étienne Gill-Lachance, Ministère des Transports et de la Mobilité durable

Conception et mise en œuvre d'un pont en arche à tablier supérieur

Sébastien Galipeau, Ministère des Transports et de la Mobilité durable Étienne Gill-Lachance, Ministère des Transports et de la Mobilité durable

# **MO.1 Driving Change in Maintenance and Operations**

205A Monday, October 06 10:30 - 12:00

#### Moderator

Frank Rizzardo

#### **Presenter**

Zi Wang, Mark Pollard, Christopher Dunbar, Howard Tran

# **Description:**

**Organized by the Maintenance and Operations Committee** 

Mobility Operations support Large-Scale Emergency Repair Work
Zi Wang, City of Calgary
Howard Tran, City of Calgary

#### \*CANCELLED\*

<u>Developing a Functional Classification for Fleet Assets: A Framework for Objective Decision-Making</u> *Mark Pollard, Yukon Highways and Public Works Christopher Dunbar, Yukon Highways and Public Works* 

# **TP.15 Transit and Transportation Planning**

2101 Monday, October 06 10:30 - 12:00

#### Moderator

Kathryn Weicker

#### **Presenter**

Brenda Rincon, Artem Lyubimov, Thiago Carvalho, Stephan Kellner, Geneviève Pharand

#### **Description:**

**Organized by the Transportation Planning Committee** 

Advancing the RouteAhead Vision through Planning of Two Primary Transit Network (PTN) Routes
Brenda Rincon, City of Calgary
Artemiy Lyubimov, City of Calgary

BRT Concorde/Notre-Dame: Evaluation and development of a sustainable transportation project in a dense urban environment

Stephan Kellner, EXP Services Geneviève Pharand, CIMA+

Operational benefits of implementing BRT corridors: The case of the Pie-IX BRT in Montreal, Canada Thiago Carvalho, McGill University

# **AM.2 Corporate Asset Management Systems**

207

Monday, October 06 10:30 - 12:00

#### Moderator

Chris Yang

#### **Presenter**

Éric Pomerleau, Kevin Hervieux, Étienne Grégoire, Sam Sidawi, Irene Seo

# **Description:**

#### **Organized by the Asset Management Committee**

<u>Toronto Transit Commission's Organisational Enterprise Asset Management Systems</u> Sam Sidawi, Toronto Transit Commission

Irene Seo, AtkinsRéalis

Investir pour le futur : des outils pour optimiser l'effet des investissements

Éric Pomerleau, Ministère des Transports et de la Mobilité durable Étienne Grégoire, Ministère des Transports et de la Mobilité durable

Maximiser le potentiel des systèmes de gestion d'actifs d'entreprise grâce aux solutions AIP

Kevin Hervieux, Direxyon Technologies

# RS.1 Exploring the Role of NGOs in Road Safety

2104AB

Monday, October 06 10:30 - 12:00

#### Moderator

Stephanie Benoit

#### **Presenter**

Sandrine Cabana-Degani, Hervé Chapon, Jean-Michel Bernier, Julie-Anne Perrault

## **Description:**

## Organized by the Vision Zero & Safe System Subcommittee of the Road Safety Committee

In this session, panelists will discuss how leading road safety NGOs are supporting the Safe System approach and Vision Zero action plans through road user representation, services and advocacy.

# TF.2 Sustainable Transportation Infrastructure: From Strategy to Maintenance

307B

Monday, October 06 10:30 - 12:00

#### **Moderator**

Jacquelyn Hayward

#### **Presenter**

Laura Cabral, Samuel Chu, Amin Owrangi, Laurence Lebel

## **Description:**

#### **Organized by the Transportation Finance Committee**

Ensuring Maintainable and Accessible Train-to-Platform Passenger Exchanges in the REM Project Laurence Lebel, AtkinsRéalis

Railway Drainage Systems in Greater Toronto & Hamilton Area (GTHA): Past, Present & Future Samuel Chu, AtkinsRéalis
Amin Owrangi, AtkinsRéalis

<u>Cross Section Elements: How Updates to the Geometric Design Guide Could Support Sustainable Transportation</u> *Laura Cabral, WSP Canada Inc.* 

# MM.4 Shared Micromobility Services: Building on the TAC Publication

308B

Monday, October 06 10:30 - 12:00

## Moderator

Kate Whitfield

#### **Presenter**

Anthony El-araj, Winnie Lai, Jamie Stuckless, Arianne Robillard, Nelson Cadete, Brian Hollingworth, Mike Logan, Dhavalkumar Pandya

## **Description:**

#### **Organized by the Mobility Management Committee**

This workshop will use presentations and breakout discussions to share knowledge and encourage application of TAC's report. It will help practitioners teach, train and collaborate with others to build and promote peer networks.

# **Monday Lunch**

Room 200 Monday, October 06 12:00 - 13:00

## **Description:**

Business casual attire.

Join fellow delegates for a lively **Monday Lunch**. From noon (please arrive promptly as lunch is served plated) until 12:40 ET, enjoy lunch and network at your table. From 12:40 through 13:00 ET, the conference emcee will recap and celebrate recipients of **TAC**'s 2025 Volunteer Recognition Awards and Technical Achievement Awards.

Come for the lunch, stay for the inspiration — and help us applaud the people and projects driving innovation and excellence in Canadian transportation.

**Dessert and coffee** will be provided from 13:00 to 14:00 ET in the **Exhibition Hall** following lunch —be sure to head there after your meal!

# **Networking Dessert/Coffee in the Exhibition Hall**

Foyer and Room 2000 Monday, October 06 13:00 - 14:00

### **Description:**

# **GD.10 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets**

306A Monday, October 06 14:00 - 15:30

#### **Moderator**

Marcia Eng

#### **Presenter**

David Wiebe, Chris Redden, Gwen Coolidge, Mark Doucet

# **Description:**

**Organized by the Geometric Design Committee** 

The Opening of Portage & Main to Pedestrians

David Wiebe, Dillon Consulting Mark Doucet, Dillon Consulting

Albert, Queen, Slater, and Bronson (AQSB) Renewal Project: Enhancing Urban Connectivity and Infrastructure in Ottawa Chris Redden, Parsons

St Vital Bridge Project - Enhancing the Experience for all users through Geometric Design Gwen Coolidge, Stantec Consulting

# ST.2 Transportation Structures

204B Monday, October 06 14:00 - 15:30

#### Moderator

Rob Simpson

#### **Presenter**

Claire Spriggs, Natallia Shanahan, Haixue Liao, John Kelly

# **Description:**

#### **Organized by the Structures Committee**

Combination of Impressed Current and Galvanic Cathodic Protection System for Bridge Deck Corrosion Mitigation Claire Spriggs, VCS Engineering

Corrosion Evaluation of Bonded Post-Tensioning

Natallia Shanahan, VCS Engineering

Gardiner Expressway Strategic Sustainable Substructure Rehabilitation using Galvanic Protection Haixue Liao, Vector Corrosion Technologies John Kelly, City of Toronto

# MM.2 Mobility Hubs: Approaches for Seamless Trip Connections

207

Monday, October 06 14:00 - 15:30

#### Moderator

Bader Alnabelseya

# **Presenter**

Stephen Oliver, Cooper Howieson, Charles de la Chevrotière

## **Description:**

#### **Organized by the Mobility Management Committee**

<u>Understanding and Designing Effective Mobility Hubs</u> *Stephen Oliver, GHD* 

<u>Seamless Journeys: Enhancing Community and Regional Connectivity through Major Transit Station Area Plans</u> *Cooper Howieson, Parsons* 

From Parking Operators to Mobility Service Providers

Charles de la Chevrotière, Agence de mobilité durable

# **EN.1 Cultural Heritage Management**

205A Monday, October 06 14:00 - 15:30

#### Moderator

Jaime Smith

#### **Presenter**

Benjamin Ong, Jeffrey Seibert, Ghislain Gagnon, Helen Stewart

# **Description:**

Organized by the Environment and Climate Change Council

La prise en compte des préoccupations autochtones en matière de protection du patrimoine archéologique dans le cheminement des projets en transport - Quelques exemples.

Ghislain Gagnon, Ministère des Transports et de la Mobilité durable

Flathead Maritime Archaeology Project: Facilitating Cultural Heritage Management through Technical Education and Community Capacity Building

Benjamin Ong, Fugro USA Land Helen Stewart, Fugro USA Land

<u>Archaeology and Indigenous Consultation and Engagement - Processes, Challenges and Opportunities for Collaboration</u> *Jeffrey Seibert, Ontario Ministry of Transportation* 

# **DA.1 Artificial Intelligence for Digital Applications**

307B Monday, October 06 14:00 - 15:30

#### Moderator

Jonathan Parent

## **Presenter**

Suliman Gargoum, Mahir Saggar

## **Description:**

**Organized by the Digital Applications Committee** 

Mapping transportation networks using aerial imagery with Al Mahir Saggar, GeoMate

Improving Road Asset Detection using Spherical Imagery and AI with Minimal Training Data Suliman Gargoum, Reflektar Inc.

# **TP.16 Transit and Transportation Planning**

2101 Monday, October 06 14:00 - 15:30

#### Moderator

Mehemed Delibasic

#### **Presenter**

Meredith Alousi-Jones, Steven Farber, Heather Kruger, Danial Faraji, Thiago Carvalho

# **Description:**

#### **Organized by the Transportation Planning Committee**

Introducing the Mobilizing Justice National Survey: A Tool for Embedding Equity in Transportation Planning Steven Farber, University of Toronto

Who are the Potential Riders: Older Adults' Perceived Barriers to Public Transit Use Across Canada Meredith Alousi-Jones, McGill University
Thiago Carvalho, McGill University

LRT Rolling Stock Market in Canadian Rail Transit: A Historical and Analytical Perspective Danial Faraji, Egis
Heather Kruger, Egis

# **RS.2 Road Safety Analysis**

309B Monday, October 06 14:00 - 15:30

#### Moderator

Matt Colwill

#### **Presenter**

Soroush Salek, Owen Waygood, Amanda Pushka

## **Description:**

# Organized by the Road Safety Committee

<u>Mississauga No Right Turn on Red and Fully Protected Left Turns Implementation Methodology</u> Soroush Salek, CIMA+

Prioritizing Pedestrian Safety: An Equity-Based Analysis of School Routes Owen Waygood, École Polytechnique de Montréal

Enhancing Pedestrian Safety: Data-based Implementation of Leading Pedestrian Intervals in Winnipeg Amanda Pushka, City of Winnipeg

# **AM.1 Bridging Gaps in Asset Management**

203

Monday, October 06 14:00 - 15:30

#### Moderator

Kristen Tappenden

#### **Presenter**

Goby Jeyagoby, Jeff Parkinson, Greg Mucsi, William Van Ruyven

# **Description:**

#### **Organized by the Asset Management Committee**

#### Bridging the Gap between OSIM and Asset Management

Greg Mucsi, EXP Services William Van Ruyven, GFT Canada

Asset Management Frameworks to Accelerate Delivery of Rehabilitation for Historically Underfunded Assets Classes

Goby Jeyagoby, Regional Municipality of York Jeff Parkinson, GHD

# CO.5 Speed Bumps on the Road to Utility Coordination

308A

Monday, October 06 14:00 - 15:30

#### **Moderator**

Ophir Wainer

## **Presenter**

Lawrence Arcand, Jean-Guy Cote, Philip Lambert, Tylor Bottorff

## **Description:**

#### Organized by the Utilities Management Subcommittee of the Construction Committee

Panelists in this session will discuss typical roadblocks to utility coordination that are faced by transportation projects.

# PD.1 Developing Your Employees: Coaching vs. Mentoring

2104AB Monday, October 06 14:00 - 15:30

#### Moderator

David Hein

#### **Presenter**

Matthias Schueller, Carlos Perez, Ryan Teplitsky, Karolina Karcz

# **Description:**

#### Organized by the Education Committee and in partnership with the Professional Development Committee

Many factors – the pandemic, political climate, traffic congestion, international upheaval, extreme weather – have contributed to growing stress and burnout in transportation organizations. At the same time, disruption in the transportation sector has required individuals to be flexible, adapt, seek new skills, or take on new roles. This panel discussion will explore how coaching and mentoring – which both offer significant benefits depending on time horizons, career stages, and the need for performance or growth – can aid employers and individuals as they navigate today's challenges. It will follow the format of CBC's "The Debaters" program that worked so effectively in TAC's popular 2024 conference session "Professors vs. Practitioners."

# **AT.9 Post-Implementation Evaluations**

202

Monday, October 06 14:00 - 15:30

#### Moderator

Darren Proulx

#### Presenter

Olivia Babcock, Jérôme Laviolette

#### **Description:**

**Organized by the Active Transportation Integrated Committee** 

How New Cycling Infrastructure Transforms Behaviour and Perceptions: Longitudinal Evidence from Montréal Jérôme Laviolette, McGill University

Rapid Safety Evaluation at Scale: Lessons on Quick Wins from 50 Before-After Studies Olivia Babcock, Miovision Technologies

# PV.5 Technology Advancements in Pavement Engineering

309A Monday, October 06 14:00 - 17:30

#### Moderator

Mark Popik

#### **Presenter**

William Buttlar, Hassan Baaj, Alexander Buttgereit, Mohammad Shafiee

# **Description:**

#### **Organized by the Pavements Committee**

This panel will explore the latest technological innovations and their practical applications to pavement design, construction, maintenance and rehabilitation, with a specific emphasis on data analytics and Al-driven solutions. It will focus on emerging technologies, sustainability, resilience and real-world case studies, and will equip attendees with a better understanding of the transformative impact of data and Al in pavement engineering.

# Refreshment Break

Foyer and Room 2000 Monday, October 06 15:30 - 16:00

### **Description:**

# **GD.11 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets**

306A Monday, October 06 16:00 - 17:30

#### Moderator

Matthew Ivany

#### **Presenter**

Robert Cotnam, Doug MacKay

#### **Description:**

## **Organized by the Geometric Design Committee**

<u>Challenges in applying the City of Ottawa Road Safety Action Plan and Complete Streets Initiatives</u> *Robert Cotnam, Robinson Consultants* 

Provincial Highways - The Ultimate Barrier to Active Transportation

Doug MacKay, Regional Municipality of York

# **ST.3 Transportation Structures**

204B

Monday, October 06 16:00 - 17:30

#### Moderator

Rob Simpson

#### **Presenter**

Asal Rahbari, Hans Geber, Matthias Yu, Ethan Macleod

# **Description:**

#### **Organized by the Structures Committee**

Influence of Temperature on the Accuracy of Dynamic Bridge Weigh-In-Motion Systems Ethan Macleod, University of New Brunswick

Practical Retaining Wall and Girder Design for Constrained Areas

Asal Rahbari, Hatch Matthias Yu, Hatch

Optimal Approach for Addressing Reinforcement Corrosion for Bridge Decks

Hans Geber, CMC

# **AT.1 Active Transportation Facility Maintenance and Operations**

2104AB

Monday, October 06 16:00 - 17:30

#### Moderator

Bartek Komorowski

# **Presenter**

Marc-Olivier Labrie, Maggie Boeske, Becky Katz, Valerie Dacyk

## **Description:**

Organized by the Active Transportation Integrated Committee and in partnership with the Maintenance & Operations Committee

La surveillance hivernale des pistes cyclables de la Ville de Québec

Marc-Olivier Labrie, Ville de Québec

Designing with Winter in Mind - Evolution of Unidirectional Bike Lanes in Edmonton

Maggie Boeske, City of Edmonton Valerie Dacyk, City of Edmonton

Built to Last: The Relationship Between Active Transportation Design and Maintenance

Becky Katz, City of Toronto

# SM.1 Sustainable Planning and Design Approaches in Small Municipalities

307B Monday, October 06 16:00 - 17:30

#### Moderator

Coenraad Fourie

#### **Presenter**

Frédéric Cournoyer, Nick Sully, Brian Thompson, Shuja Zaidi, Khaled Belhedi, Erin Nelson

# **Description:**

#### Organized by the Small Municipalities Integrated Committee

Accessibility by public transport in small municipalities: A context-sensitive framework integrating demand-responsive transport

Frédéric Cournoyer, École Polytechnique de Montréal

Alternative Transportation Modes in Prince Edward Island's Capital Region

Brian Thompson, P.E.I. Transportation and Infrastructure Erin Nelson, P.E.I. Transportation and Infrastructure

Proposing Parallel Low Stress Routes to Support Active Transportation Networks

Nick Sully, WSP Canada

Timmins Transportation Master Plan - Shaping Timmins' Mobility for a Dynamic Future

Shuja Zaidi, GFT Canada Khaled Belhedi, GFT Canada

# MM.3 Mobility Hubs: Approaches for Seamless Trip Connections

207

Monday, October 06 16:00 - 17:30

### Moderator

Dale Bracewell

#### **Presenter**

Sophie Belzil, Grant Ngieng, Allison Miller, Zoe Athans

#### **Description:**

## **Organized by the Mobility Management Committee**

<u>Du Concept à la Réalité : Approches Stratégiques pour la Réussite de Réseaux de Pôles de Mobilité Sophie Belzil, Access Planning</u>

Enhancing Urban Mobility: Highway 17 Uptown Mobility Hub

Grant Ngieng, ISL Engineering and Land Services Ltd. Zoe Athans, ISL Engineering and Land Services Ltd.

Good Enough - I'll Park it Here! Providing Publicly-accessible Secure Bike Parking Solutions

Allison Miller, City of London

# CC.1 Climate Vulnerability and Resilience: Getting Out in Front

204A

Monday, October 06 16:00 - 17:30

#### Moderator

Ray Wilcock

#### **Presenter**

Rafika Lassel, Jean-Gabriel Dorval, Michel Dion, Frédéric Richard, Philippe Dupré

# **Description:**

# **Organized by the Climate Change Integrated Committee**

Adaptation aux changements climatiques du déneigement et du déglaçage dans les villes du sud du Québec

Rafika Lassel, CERIU - Centre d'expertise et de recherche en infrastructures urbaines Frédéric Richard, Université du Québec à Montréal

Adaptation du réseau aéroportuaire du Nunavik face aux changements climatiques

Jean-Gabriel Dorval, Ministère des Transports et de la Mobilité durable

Résilience du réseau d'ouvrages d'art du MTMD face aux changements climatiques

Michel Dion, Ministère des Transports et de la Mobilité durable Philippe Dupré, Ministère des Transports et de la Mobilité durable

# **MO.2 Innovation in Maintenance and Operations**

205A

Monday, October 06 16:00 - 17:30

#### Moderator

Chris Hewitt

#### **Presenter**

Ahmed Khataan, Richard Plokhaar, Carlton Gonsalves, Stephanie Clayton, Suliman Gargoum, Greg Schauer

### **Description:**

## Organized by the Maintenance and Operations Committee

Optimizing Highway Operations and Maintenance: Streamlining Work Order Mangement for Improved Efficiency Stephanie Clayton, AtkinsRéalis

Greg Schauer, AtkinsRéalis

Using Deep Learning Technology for Image-Based Traffic Sign Damage Detection in Diverse Conditions

Suliman Gargoum, University of British Columbia Ahmed Khataan, University of British Columbia

Operational Advantages of Using Axle Counters in Rail Operations

Richard Plokhaar, WSP Canada

Carlton Gonsalves, Frauscher Sensor Technology USA

# **TP.9 Innovations in Transportation Modelling**

203

Monday, October 06 16:00 - 17:30

#### Moderator

Ali Darwiche

#### **Presenter**

Dimantha De Silva, Ashok Kinjarapu, Eric Miller, Almodather Mohamed, Reza Ghobadpour

# **Description:**

#### **Organized by the Transportation Planning Committee**

Efficient Modeling of Passenger Flows: A Simplified Passenger Demand model

Dimantha De Silva, CPCS Transcom Limited Ashok Kinjarapu, CPCS Transcom Limited

Unveiling Best Practices for Agent-Based Modeling in North America

Almodather Mohamed, GFT Canada Reza Ghobadpour, GFT Canada

Propositions for Developing a Transferable Canadian Activity-Based Travel Demand Model System

Eric Miller, University of Toronto

# **TP.17 Transit and Transportation Planning**

2101

Monday, October 06 16:00 - 17:30

#### Moderator

Nico Malfara

#### **Presenter**

Ahmed El-Geneidy, Sophie Boucher, Pieter Agneessens, Barbara-Ann Tanguay

### **Description:**

# **Organized by the Transportation Planning Committee**

Impacts of the new Réseau Express Métropolitain (REM): A pre-post intervention study Ahmed El-Geneidy, McGill University

Setting Sustainable Transportation Cocktails Up for Customer Success

Pieter Agneessens, plaats collaboration

Projet de réaménagement des échangeurs au nord des ponts Pierre-Laporte et de Québec - une interconnexion des réseaux de transports en commun de Québec et Lévis

Sophie Boucher, Ministère des Transports et de la Mobilité durable

Barbara-Ann Tanguay, Ministère des Transports et de la Mobilité durable

# GD.2 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

202

Monday, October 06 16:00 - 17:30

#### **Moderator**

Saad Syed

#### Presenter

Calvin Van Hill, Andrew Fox, Ian Pilkington, Victor Wang, Thomas Kraus

### **Description:**

#### Organized by the Geometric Design Committee

<u>Highway 1 - 264th Street Interchange Project Design Innovation</u> *Ian Pilkington, British Columbia Ministry of Transportation and Transit Victor Wang, Kiewit Engineering* 

<u>Highway 69 Four Laning - Strategies to Facilitate Construction Access for a New Freeway in the Northern Ontario Wilderness</u>

Andrew Fox, Parsons

Designing a Major Highway in Alberta: A Showcase Project for Public Infrastructure Engineering Calvin Van Hill, Egis
Thomas Kraus, Egis

# **RS.3 Road Safety Analysis**

309B

Monday, October 06 16:00 - 17:30

#### **Moderator**

Antoine Gerson

#### Presenter

Jean-Christophe Morin, Elise Cécyre, Pier-Olivier Poulin, Antoine Le Guerrier

## **Description:**

#### **Organized by the Road Safety Committee**

Outil de priorisation des plaintes de vitesse et des demandes d'aménagements physiques à Victoriaville Jean-Christophe Morin, Ville de Victoriaville

Analyse des collisions mortelles et graves à Montréal : Vers l'atteinte de Vision Zéro Elise Cécvre. Ville de Montréal

Impact des îlots de refuge à mi-traversée: conflits, confort et comportement

Antoine Le Guerrier, CIMA+ Elise Cécyre, Ville de Montréal

Utilisation de Waze en milieu urbain pour faire le suivi de vitesse en sécurité routière

Pier-Olivier Poulin, Ville de Montréal

# Monday Night at the Voltigeurs de Québec Armoury

Voltigeurs de Québec Armoury | 805 Wilfrid-Laurier Avenue Monday, October 06 18:00 - 22:00

### **Description:**

805 Wilfrid-Laurier Avenue, Québec City; Business Casual

Step into history at the Voltigeurs de Québec Armoury, one of Québec City's most iconic and atmospheric venues. This year's Monday Night Event promises an evening of connection, flavour, and entertainment in a truly unforgettable setting.

Sample an array of appetizers and specialty food stations, sip on a drink, and explore the grand halls of the Armoury while enjoying live entertainment. Highlights include performances by the Cirque troupe MystèrAct, a 360° photo booth experience, and a few other surprises.

Whether you're catching up with colleagues or making new connections, this relaxed social evening is the perfect complement to the Conference's busiest day. Come for the food, stay for the ambiance, and experience the unique spirit of Québec City in the heart of Old Québec.

The Armoury is a short 8-minute walk from the Québec City Convention Centre. Walking route on Google Maps

# Registration

Hall 2000 Tuesday, October 07 8:00 - 17:30

### **Description:**

# **Exhibition Open**

Foyer and Room 2000 Tuesday, October 07 8:00 - 16:00

## **Description:**

Business casual attire

The Exhibition is the hub of activity at the 2025 TACConf, bringing together over **80 exhibiting companies** from across Canada. Be sure to explore the booths and connect with suppliers, consultants, and government partners before the Exhibition closes at **16:00 ET**.

The Exhibition Hall and Foyer also offer a variety of features and services to enhance your conference experience:

- Mobile phone charging station Rent a complimentary portable battery (secured with a credit card).
- Continental breakfasts, coffee breaks, and desserts Enjoy refreshments throughout the day, including dessert
  and coffee served after lunch.
- Lounge furniture Take a break, catch up on notes, or connect with colleagues.
- LED wall Stay informed with conference updates and announcements.

# Continental Breakfast in the Exhibition Hall

Foyer and Room 2000 Tuesday, October 07 8:00 - 8:30

## **Description:**

# **Prayer Room**

Prayer Room - 305 Tuesday, October 07 8:00 - 17:00

# **Description:**

# Presenter & Moderator Lounge/Ready Room

205B

Tuesday, October 07 8:00 - 17:00

# **Description:**

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

# Tour: Autoroute Henri-IV (A73) in Québec City – Landscape, architectural and environmental features

Tuesday, October 07 8:30 - 11:30

## **Description:**

Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This three-stop tour features major environmental and architectural interventions:

- - Boulevard Des Quatre-Bourgeois bridge: integrated design to reduce the urban divide
- · Charest/Henri-IV retention basin: simulated wildlife habitat
- - Félix-Leclerc/Henri-IV basins: award-winning ecological design (PIARC 2019)
- · Integrated landscaping with topography, planting and visual structures

1.

## Personal Protection Equipment (PPE) required:

Provided: Hard hat and safety vest Not provided: Steel-toed footwear

# **Tour: Adding Reserved Lanes**

Tuesday, October 07 8:30 - 11:30

# **Description:**

#### Pre-registration required

Capacity: 25 Participants

Mode of Transportation: Bus

This joint project between STLévis and the City of Lévis adds reserved lanes on boulevard Guillaume-Couture, including the following elements:

- - 3 km road widening (in two sections)
- · Improving public transit fluidity
- · Addition of bike paths and sidewalks
- · Observation of completed sections and work in progress

1

## Personal Protection Equipment (PPE) required:

Provided: Hard hat and safety vest Not provided: Steel-toed footwear

# Tour: Île d'Orléans – New Bridge Project

Tuesday, October 07 8:30 - 11:30

## **Description:**

#### Pre-registration required

Capacity: 25 Participants
Mode of Transportation: Bus

This site visit will focus on several key aspects, including:

- · Challenges related to a heritage and natural site
- - Temporary marine structures (jetties, booms, barges)
- · Temporary installation of liquid stabilizer
- · Environmental mitigation measures

1.

# Personal Protection Equipment (PPE) required:

- Provided: safety vest, safety glasses, gloves and type-2 hard hat with chinstrap
- Not provided: steel-toed footwear

# **EN.4 Integrating Environmental Gains into Project Design**

2101

Tuesday, October 07 8:30 - 10:00

#### Moderator

Melissa Cummings

#### **Presenter**

Eileen Miranda, Lisa MacDonald, Angela Brooks, Hailey Rudniski, Melissa Rutherford

# **Description:**

## **Organized by the Environmental Issues Committee**

Evaluating Environmental Sustainability, Resiliency & Biodiversity Gains

Eileen Miranda, AtkinsRéalis

Incorporating Environmental Considerations into the Design of the Abegweit Connects Active Transportation Project

Lisa MacDonald, CBCL Limited Melissa Rutherford, CBCL Limited

<u>Saskatoon Freeway Functional Planning Study - Opportunities for preservation and enhancement of natural urban ecosystems</u>

Hailey Rudniski, AtkinsRéalis

Integrating Overall Design Gains into the Northern Road Link Environmental Assessment

Angela Brooks, AtkinsRéalis

# **DA.3 Digital Twinning for Transportation Assets**

204Δ

Tuesday, October 07 8:30 - 10:00

#### **Moderator**

Jonathan Parent

#### **Presenter**

Michel Dion, Martin Talbot, Jean-François Laflamme

## **Description:**

#### **Organized by the Digital Applications Committee**

<u>Le BIM et l'IA au service du MTMD : un pont vers l'avenir, de la conception à la gestion d'actifs</u> Michel Dion, Ministère des Transports et de la Mobilité durable

Modélisation numérique structurale 3D du pont suspendu Pierre-Laporte basée sur près de 20 ans de mesures expérimentales in situ.

Martin Talbot, Ministère des Transports et de la Mobilité durable

Jean-François Laflamme, Ministère des Transports et de la Mobilité durable

# TO.1 #InnovativeTrafficControl

204B

Tuesday, October 07 8:30 - 10:00

#### Moderator

Daniel Beaulieu

#### **Presenter**

Simon Li, Masoud Ramezani, Ryan Saville, Alan Fournier

# **Description:**

#### **Organized by the Traffic Operations and Management Committee**

Adaptive Traffic Signal Control in the City of Calgary - A playbook for implementation Ryan Saville, TransCore ITS, LLC Alan Fournier, City of Calgary

Intersection Redesign Involving Oversized Vehicles - Success Factors for Traffic Diversion Simon Li. Tetra Tech Canada Inc.

Challenges of Traffic Signal Design for Interconnected Signals at Science Centre Station in Toronto Masoud Ramezani, AtkinsRéalis

# **AM.5 New Technologies in Asset Management**

307B

Tuesday, October 07 8:30 - 10:00

#### Moderator

Sadegh Kazemi

# **Presenter**

Nam Nguyen, Patrick Ricci, Vahid Bokaeian

## **Description:**

#### **Organized by the Asset Management Committee**

Auscultation automatisée du réseau cyclable à l'aide de l'intelligence artificielle Nam Nguyen, Ville de Montréal Patrick Ricci, Ville de Montréal

<u>Leveraging BWIM System Traffic Data for Long-Term Structural Health Monitoring of Highway Bridges</u> *Vahid Bokaeian, University of New Brunswick* 

# **MO.3 Innovation in Maintenance and Operations**

306B

Tuesday, October 07 8:30 - 10:00

#### Moderator

Jean-Luc Lambert

#### **Presenter**

Eric Gionet, Marcy Ream

# **Description:**

**Organized by the Maintenance and Operations Committee** 

#### **Al Road Temperatures**

Eric Gionet, WSP Canada

Innovative road repair materials and methods to promote sustainability, labor efficiency and cost-control Marcy Ream. FPT Infrastructure

# AT.7 Pedestrian-Centred Design

309B

Tuesday, October 07 8:30 - 10:00

#### **Moderator**

Leslie Tse, Patrick Zerr

## **Presenter**

Mehdi Hamdaoui, Kevin Larrivée, Sonia Daly, Iman Salama

## **Description:**

**Organized by the Active Transportation Integrated Committee** 

L'impact des conditions météorologiques sur l'accessibilité piétonne aux transports en commun Mehdi Hamdaoui, École Polytechnique de Montréal

Les rues-écoles : changer les règles du jeu et redonner la droit à la ville aux enfants

Sonia Daly, École de santé publique de l'Université de Montréal Iman Salama, Centre d'écologie urbaine

<u>Using Transport Impact Assessments to improve pedestrian space design: The redevelopment of Molson Brewery site.</u> *Kevin Larrivée, Momentum Transport Consultancy* 

# CC.2 Climate Vulnerability and Resilience: Getting Out in Front

205A

Tuesday, October 07 8:30 - 10:00

#### Moderator

Ray Wilcock

#### **Presenter**

Sam Worrall, David Jackson, Evan May, Daniel Tse

# **Description:**

**Organized by the Climate Change Integrated Committee** 

Yukon Highways Climate Risk Assessment and Action Plan

Daniel Tse, Stantec Consulting

Direct Precipitation Flood Modelling: Transforming Hydrologic Analysis in Isolated Northern Regions of Ontario

David Jackson, GFT Canada Evan May, GFT Canada

The Evolution of Emergency Management at NBDTI

Sam Worrall, New Brunswick Department of Transportation and Infrastructure

# **GD.5 Confined Corridors and Intersections**

306A

Tuesday, October 07 8:30 - 10:00

#### Moderator

Dave S. Dulay

# **Presenter**

Maggie Boeske, Matthew Pinder, Constant Pilote, Benita van Miltenburg

## **Description:**

Organized by the Geometric Design Committee and in partnership with the Active Transportation Integrated Committee

CVC Chemin Sainte-Foy: Aménager un lien cyclable à haut niveau de service dans un corridor confiné Constant Pilote, Ville de Québec

On-Street Protected Lanes or Neighbourhood Bikeway? Lessons From a Feasibility Study in Guelph, ON

Matthew Pinder, Mobycon

Benita van Miltenburg, City of Guelph

# **124 STREET RENEWAL**

Maggie Boeske, City of Edmonton

# **TP.10 Innovations in Transportation Modelling**

203

Tuesday, October 07 8:30 - 10:00

#### Moderator

Kinan Bahbouh

#### **Presenter**

Dominic Méthot-Plante, Ronauq Sabharwal, Nasim Deljouyi, Jeanne-Marie Deletsu

## **Description:**

#### **Organized by the Transportation Planning Committee**

A Simulation-Based Methodology for Road Freight Network Abstraction: Case Study in the Canadian Prairie Region Nasim Deljouyi, University of Manitoba

Prediction-based Transportation Management - MTO Pilot Study

Ronauq Sabharwal, CIMA+

Jeanne-Marie Deletsu, Ontario Ministry of Transportation

La synergie entre les échelles de simulation : un cas pratique

Dominic Méthot-Plante, Ministère des Transports et de la Mobilité durable

# RS.11 Road Safety Planning, Safe System and Vision Zero

202

Tuesday, October 07 8:30 - 10:00

#### Moderator

Alexandre Nolet

# **Presenter**

Shawn Smith, Sari Liem, Ghazaleh Mohseni

## **Description:**

#### Organized by the Road Safety Committee

Vers des plans d'intervention en sécurité routière dynamiques et durables Alexandre Nolet, CIMA+

<u>Data-Driven Optimization and Economic Analysis of Automated Speed Enforcement Programs</u> *Ghazaleh Mohseni, York University* 

<u>City of Vaughan Neighbourhood Traffic Calming Policy, Design and Speed Management Plan</u> Shawn Smith, WSP Canada Sari Liem, City of Vaughan

# ST.7 Updates to Canadian Highway Bridge Design Code (CSA S6:25)

Tuesday, October 07 8:30 - 10:00

#### Moderator

Rob Simpson

#### **Presenter**

Bernard Pilon, Kris Mermigas, Kevin Williams, Don Kennedy

## **Description:**

#### **Organized by the Structures Committee**

Panelists in this session will discuss the new edition of the Canadian Highway Bridge Design Code, highlight important changes, and respond to questions.

# TF.3 Sustainable Transportation Infrastructure: From Strategy to **Maintenance**

207

Tuesday, October 07 8:30 - 10:00

#### Moderator

Lisa Salsberg

## **Presenter**

Martin Knight, Angelin Dossou, Francis Marleau Donais, Jean-Sébastien Lacombe

## **Description:**

#### **Organized by the Transportation Finance Committee**

Bridging to a Sustainable Transportation Legacy

Martin Knight, Knight Architects

A portrait of municipal decision-making processes for improving street rejuvenation practices

Francis Marleau Donais, École de technologie supérieure

Impact Study of Various Load Regulation Scenarios on the Billy-Diamond Highway

Angelin Dossou, Société de développement de la Baie-James

Jean-Sébastien Lacombe, AtkinsRéalis

# **CO.6 Utility Coordination on Projects**

309A

Tuesday, October 07 8:30 - 10:00

#### Moderator

Tom Greaves

#### **Presenter**

Richard Morales, Gianni De Giambattista, Gabe Cimini, Wiem Rjeb, Pengcheng Ge

# **Description:**

Organized by the Utilities Management Subcommittee of the Construction Committee

Managing Utilities in Complex and Variable Ground Conditions for Transit Projects
Richard Morales, Arcadis
Pengcheng Ge, Arcadis

Beneath the Surface: Selecting Trenchless Solutions for Utility Installations Gianni De Giambattista. Mott MacDonald

Navigating Utilities: Key Strategies in the Jacques-Bizard Bridge Project Wiem Rjeb, AtkinsRéalis

<u>Development of Road Cut Degradation Fees for City of Mississauga</u> *Gabe Cimini, Stantec Consulting* 

# **SO.5 Innovations in Materials and Construction Methods for Sustainable Pavements**

2104AB

Tuesday, October 07 8:30 - 12:00

#### Moderator

Amma Agbedor

#### **Presenter**

Tim Smith, Stephane Charmot, Dave Johnson, Mick Prieur

# **Description:**

### Organized by the Soils and Materials Committee

This session will highlight advancements in sustainable materials and practices for pavement design and construction. Industry leaders and researchers will present novel solutions, eco-friendly alternatives, conventional and alternative recycled materials, and smart technologies designed to enhance durability and minimize environmental impact. The panel will explore how these innovations support CO<sub>2</sub>-equivalent reduction, foster circular economy practices, and improve road infrastructure resiliency. Attendees will gain insights into real-world applications, performance outcomes, and future opportunities for integrating sustainability into roadways.

# **Tour: Tête des Ponts Construction Site**

Tuesday, October 07 9:00 - 11:30

# **Description:**

## **Pre-registration required**

Capacity: 25 Participants

Mode of Transportation: Bus

This tour will showcase several construction projects in the vicinity of the Aquarium du Québec, including:

- Redevelopment of avenue des Hôtels into an urban boulevard with a bus corridor
- - Multi-purpose trail along Route 175
- Viewpoint overlooking the northern approach to the Pont de Québec
- · Two overpasses spanning the railway line
- New pedestrian link between Avenue des Hôtels and the Via Rail station
- · Bus tunnel in the Laurier sector

1.

## Personal Protection Equipment (PPE) required:

Provided: Hard hat and safety vest Not provided: Steel-toed footwear

# Tour: Bike Tour – Pedaling for Safety: Exploring Vision Zero Improvements in Old Quebec (Upper Town and along the Samuel De Champlain Promenade

Tuesday, October 07 9:00 - 11:00

## **Description:**

#### Pre-registration required

Capacity: 15 Participants

Mode of Transportation: Self-service electric bike

The bike tour showcases some of the city's greatest advances in safe cycling and school corridors, as well as iconic views, while allowing you to stop and chat.

#### Personal Protection Equipment (PPE) required:

• Provided: Electric bike and helmet

# **Refreshment Break**

Foyer and Room 2000 Tuesday, October 07 10:00 - 10:30

## **Description:**

# TO.2 #InnovativeTrafficControl

204B

Tuesday, October 07 10:30 - 12:00

#### Moderator

Daniel Beaulieu

#### Presenter

Mark Hearson, Anthony El-araj, Aleem Nanji

# **Description:**

**Organized by the Traffic Operations and Management Committee** 

Navigating Change in Winnipeg: Reopening Portage and Main to Pedestrians Mark Hearson, Stantec Consulting

<u>Public Sector: Traffic Accommodation Strategy to support NHL Team operations with surrounding major Construction</u> activities

Anthony El-araj, City of Calgary Aleem Nanji, City of Calgary

# TF.4 Sustainable Transportation Infrastructure: From Strategy to Maintenance

207

Tuesday, October 07 10:30 - 12:00

#### **Moderator**

Lisa Salsberg

#### **Presenter**

Lancelot Rodrigue, Steve Carney, Joshua Engel-Yan, Sabrina Lau Texier

## **Description:**

# **Organized by the Transportation Finance Committee**

Who should pay for public transit? Public perceptions across 11 Canadian CMAs Lancelot Rodrigue, McGill University

Collaborative Contracting Models: Project Delivery Best Practice or Procurement Fad? Lessons Learned From Early Adopters

Joshua Engel-Yan, Access Planning

The Many Benefits of Active Transportation Infrastructure Rapid Implementation - Best Practices and Lessons Learned from the West Coast

Steve Carney, Aplin Martin Sabrina Lau Texier, TransLink

# TP.4 Decision Making, Evaluation and Monitoring

2101

Tuesday, October 07 10:30 - 12:00

#### Moderator

Alireza Hadayeghi

#### **Presenter**

Gabriel Aubry, Mark Baker, Kathryn Weicker, Patrick Miller, Samuel Dubé, Mike Keating

## **Description:**

#### **Organized by the Transportation Planning Committee**

### Practical Experiences in Costing Municipal Road Projects

Mark Baker, Parsons Mike Keating, Parsons

## Modernizing Decision Making for 21st Century Transportation Investments: A B.C. Perspective

Kathryn Weicker, British Columbia Ministry of Transportation and Infrastructure Patrick Miller. Steer

#### Analyse d'opportunité des corridors VivaCité à Québec

Gabriel Aubry, Ville de Québec Samuel Dubé, Ville de Québec

# **AM.6 New Technologies in Asset Management**

307B

Tuesday, October 07 10:30 - 12:00

#### Moderator

Sadegh Kazemi

#### **Presenter**

Kamran Rafiei, Yassine Bennani, Aleks Kivi, Dave Firbank

## **Description:**

#### **Organized by the Asset Management Committee**

Exploring ASTM D6433 PCI with Other Pavement Indices: Challenges and Modifications for Automated Data Collection Kamran Rafiei, Tetra Tech Canada

Dave Firbank, Tetra Tech Canada

<u>Transforming Road Asset Management with iPAVe: Advanced TSD Technology for Efficient Data Collection</u> *Yassine Bennani, ARRB Systems* 

Avoiding Common Pitfalls in Pavement Management Programs: Strategies for Success

Aleks Kivi, Applied Research Associates

# **MO.4 Innovation in Maintenance and Operations**

306B

Tuesday, October 07 10:30 - 12:00

#### Moderator

Chris Hewitt

#### **Presenter**

Max Perchanok, Heather McClintock, Jason Williams, Neil Pawluk, Axel Montier

## **Description:**

#### **Organized by the Maintenance and Operations Committee**

Low Temperature Snow and Ice De-Icer- Review of Calcium Chloride in Northern Ontario, Ontario Ministry of Transportation Max Perchanok, WSP Canada Inc.

Neil Pawluk, Ontario Ministry of Transportation

Municipal Winter Maintenance Operational Review and Optimization

Heather McClintock, WSP Canada Inc.

Ville de Québec - Implantation d'un système de télémétrie véhiculaire pour les opérations hivernales

Jason Williams, Ville de Québec Axel Montier, Ville de Québec

# MM.1 Standardization and Analysis of Mobility Data: Making Sense of the Curbside and Right of Way

308A

Tuesday, October 07 10:30 - 12:00

#### Moderator

Jacob Malleau

#### **Presenter**

Dale Bracewell, Andrew Glass Hastings, Peter Richards, Jenny Albers

## **Description:**

#### **Organized by the Mobility Management Committee**

Navigating the complexities of mobility data is vital for creating smarter, more connected cities. This panel will explore how management, standardization, and analysis of curbside and right-of-way data can transform urban planning and transportation systems. Learn from industry experts as they discuss cutting-edge approaches to integrating diverse data sources, breaking down silos, and leveraging planning decisions and analytics to optimize mobility networks. Whether you're a data professional, urban planner, or transportation enthusiast, this session will provide actionable insights to help you make informed decisions and improve accessibility, safety, and efficiency in your community's right-of-way space!

# AT.8 Pedestrian-Centred Design

309B

Tuesday, October 07 10:30 - 12:00

#### Moderator

Leslie Tse, Patrick Zerr

#### **Presenter**

Matheos Tsiaras, Stephan Kellner, Nataliya Pekar, Sari Liem

## **Description:**

#### **Organized by the Active Transportation Integrated Committee**

## Pedestrian Crossing Recommendations for City of Vaughan

Matheos Tsiaras, Parsons Inc. Sari Liem, City of Vaughan

#### Pedestrian-Centred Design

Stephan Kellner, EXP Services Inc.

Not just bikeways, achieving a focus on pedestrian-centered design in Complete Street projects

Nataliya Pekar, City of Toronto

# HR.1 Collaborative Strategies for Recruitment, Retention and Skills Development

309A

Tuesday, October 07 10:30 - 12:00

#### Moderator

Ashley Tull-Foster

## **Presenter**

Roumen Kotev, Shewkar Ibrahim, Jamie Black, David Hein

## **Description:**

#### **Organized by the Human Resources Committee**

This session will explore challenges and solutions related to workforce issues in the transportation sector. Topics could include specific functions like maintenance and operations, attracting and supporting Indigenous employees, and issues related to smaller municipalities.

# CC.3 Climate Vulnerability and Resilience: Getting Out in Front

205A

Tuesday, October 07 10:30 - 12:00

#### Moderator

**Andrew Harkness** 

#### **Presenter**

Peter Raaymakers, Philippe-Hubert Roy-Gosselin, Rebecca Leitschuh

## **Description:**

**Organized by the Climate Change Integrated Committee** 

<u>Prioritizing Resilient Transportation Infrastructure - Asset Level Vulnerability Assessment Web Viewer</u> *Rebecca Leitschuh, Stantec Consulting* 

How Standards Can Support Climate-Resilient Transportation Infrastructure

Peter Raaymakers, Standards Council of Canada

Adaptation aux changements climatiques en hydraulique fluviale et en génie côtier au MTMD

Philippe-Hubert Roy-Gosselin, Ministère des Transports et de la Mobilité durable

## **GD.6 Confined Corridors and Intersections**

306A

Tuesday, October 07 10:30 - 12:00

#### Moderator

Anne Sherwood

#### **Presenter**

Rita Hu, Vanessa Skelton, Daniel Bragagnini, Nathan Quinn

#### **Description:**

Organized by the Geometric Design Committee and in partnership with the Active Transportation Integrated Committee

Navigating Constraints and Balancing Competing Demands in Confined Corridors: A Case Study of RR42 Ontario Street in Niagara Region

Rita Hu, Parsons

School travel solutions for a 5-leg intersection in a constrained neighbourhood?

Vanessa Skelton, GHD

Balancing Flow and Space: A Study of Intersection and Corridor Design in Constrained Urban Spaces
Daniel Bragagnini, Associated Engineering

Greenfield, Main, Hawthorne et al. Reconstruction (City of Ottawa)

Nathan Quinn, Novatech

# **TP.11 Innovations in Transportation Modelling**

203

Tuesday, October 07 10:30 - 12:00

#### Moderator

Faegheh Amirarfaei

#### **Presenter**

Marc-André Tessier, Hamed Malekzadeh, Bita Farokhian, Hamid Hasanzadeh, Bobin Wang

## **Description:**

#### **Organized by the Transportation Planning Committee**

Modélisation des GES émis par la circulation routière : Impact de scénarios futurs

Marc-André Tessier, Ministère des Transports et de la Mobilité durable

Advanced Travel Decision Modeling with Al-Driven methods: a New Hybrid Neural-Utility Framework

Hamid Hasanzadeh, Université Laval Bobin Wang, Université Laval

Role of teleworking and online shopping intentions in post-COVID-19 travel behavior

Hamed Malekzadeh, École Polytechnique de Montréal

Supply-Demand Interactions Across Multimodal Transportation Networks

Bita Farokhian, École Polytechnique de Montréal

# **DA.4 Digital Twinning for Transportation Assets**

204A

Tuesday, October 07 10:30 - 12:00

## Moderator

Maryam Tagh Bostani

#### **Presenter**

Alberto Santofimio, Daniel Valderrama, Scott Laberge

## **Description:**

Organized by the Digital Applications Committee

Transportation Engineering, Immersive Technologies, and Augmented Reality Daniel Valderrama, ISL Engineering and Land Services Ltd.

The "Oltimate" Digital Twin Approach - Introducing The Science of Oltimatics

Alberto Santofimio, CITYROVER INC.

Scott Laberge, City of Ottawa

# RS.12 Road Safety Planning, Safe System and Vision Zero

202

Tuesday, October 07 10:30 - 12:00

#### Moderator

Elise Cécyre

#### **Presenter**

Pénélope Lussier-Tomaszewski, Brenden Blotnicky, Alexander Buttgereit, Geoffrey Ho

## **Description:**

## Organized by the Road Safety Committee

Securing School Surroundings: Prioritization Strategies and Planning Tools

Pénélope Lussier-Tomaszewski, Intervia

Safe roads for all road users - insights from the German "bicycle capital"

Alexander Buttgereit, Jade University, Germany

Risk-Based Methodology Development and Implementation to Identify Critical Sections along the Trans Canada Trail

Brenden Blotnicky, Trans Canada Trail Geoffrey Ho, G. Ho Engineering Consultants

Geomey Ho, G. Ho Engineering Consulta

# **Tuesday Lunch**

Room 200 Tuesday, October 07 12:00 - 13:00

## **Description:**

Business casual attire.

Tuesday's lunch shines a spotlight on the next generation of transportation leaders.

Lunch is again served plated from noon until 12:40 ET, giving delegates the chance to eat and chat with colleagues at their table. From 12:40 to 13:00 ET, recipients of **TAC's 2025 Young Professional Awards** and **Student Paper Prizes** will be celebrated. The **TAC Foundation** will also update us on its scholarships and programs that help students and young professionals as they evolve into tomorrow's transportation leaders.

**Dessert and coffee** will be served in the **Exhibition Hall** from 13:00 to 14:00 ET. Enjoy this last opportunity to visit the booths, as the Exhibition wraps up at 16:00 ET.

# **Networking Dessert/Coffee in the Exhibition Hall**

Foyer and Room 2000 Tuesday, October 07 13:00 - 14:00

## **Description:**

# **Tour: Intelligent Mobility Management Center**

Tuesday, October 07 14:00 - 16:30

**Description:** 

Pre-registration required

Capacity: 12 Participants

Mode of Transportation: Public Transportation

Quebec City's Intelligent Mobility Management Centre (Centre de gestion de la mobilité intelligente – CGMI) manages traffic signals and intelligent transportation equipment in real time to facilitate mobility across the municipal road network.

The CGMI engineers and technicians use a state-of-the-art centralized traffic signal management system, the first of its kind in Canada. This system enables instantaneous intervention to reduce the frequency and duration of congestion events.

# **Tour: Pavement Laboratory – Research Complex**

Tuesday, October 07 14:00 - 16:30

**Description:** 

Pre-registration required

Capacity: 30 Participants
Mode of Transportation: Bus

This tour includes a visit to the laboratory facilities, showcasing the equipment and tests used for research, development, and quality control of infrastructure materials.

#### Personal Protection Equipment (PPE) required:

• Provided: Safety glasses

· Not provided: Steel-toed footwear

# **CC.6 Decarbonizing the Transportation Sector**

205A

Tuesday, October 07 14:00 - 15:30

#### Moderator

Amin Mneina

## **Presenter**

David Shearon, Jonathan Cunningham, Jessica Desjardins, Marc-Alexandre Allard

## **Description:**

#### Organized by the Climate Change Integrated Committee

<u>Decarbonizing the Transportation Sector with digital twins</u> *David Shearon, Bentley Canada Inc.* 

Jonathan Cunningham, Bentley Systems

Analyse des compilations d'émissions de gaz à effets de serre (GES) sur les projets d'infrastructures routières majeurs du ministère des Transports et de la Mobilité durable (MTMD) et leurs implications sur les étapes à venir

Jessica Desjardins, Ministère des Transports et de la Mobilité durable Marc-Alexandre Allard, Ministère des Transports et de la Mobilité durable

# SP.1 PIARC International Winter Service Workshop: Innovations and Environmental Solutions for Resilient Roads

306B

Tuesday, October 07 14:00 - 15:30

#### Moderator

Nadia Lappa, Martin Thibault

#### **Presenter**

Tae Kwon, Thorsten Cypra, Remi Reiff

## **Description:**

Organized in collaboration with PIARC National Committees of Québec and Canada

#### Part 1: Smart, Sustainable, and Inclusive - Evolving Winter Service in Urban Areas

Urban winter service is evolving to meet the demands of smarter, more sustainable, and more inclusive cities. This session explores innovative approaches to winter service through three lenses: Al-driven road condition monitoring, inclusive design for bike lane winter maintenance, and environmental impacts of de-icing operations. Experts from Canada, Germany, and France share practical insights and research that point the way to more effective urban service delivery.

Enhancing Winter Road Condition Monitoring via Imagery: North American Case Studies Tae Kwon, University of Alberta

### Measures to Improve Road Safety for Cyclists in Winter in Germany

Thorsten Cypra, University of Applied Sciences - School of Architecture and Civil Engineering

**Development of action plans as part of the implementation of a sustainable winter service program** Remi Reiff, CEREMA

# PV.4 Pavement Sustainability and the Vehicles of Tomorrow

307B

Tuesday, October 07 14:00 - 15:30

#### **Moderator**

Carlos Leal

#### **Presenter**

Vince Aurilio, Mohammad Shafiee, Omran Maadani, Sajib Khan

## **Description:**

#### **Organized by the Pavements Committee**

Analysis of Climatic Loading Parameters of Environment and Climate Change Canada for Climate-Resilient Pavement Design across Canada

Omran Maadani, National Research Council Canada / Conseil national de recherches Canada Sajib Khan, Carleton University

#### PAVING THE WAY FOR SUSTAINBALE ROAD SURFACES

Vince Aurilio, VA Asphalt Pavement Technologies

Tracking GHG Emissions Across the Life Cycle of Asphalt Pavements under Climate Change Considering Quasi-Level 1 Inputs for PMED

Mohammad Shafiee, National Research Council Canada / Conseil national de recherches Canada

# TP.12 Strategic Transportation and Land Use Planning

204B

Tuesday, October 07 14:00 - 15:30

#### Moderator

Kathryn Weicker

#### **Presenter**

Rita Hu, Barbara Gray, Mike van der Laan, Lisa Salsberg, Steven Kemp

## **Description:**

#### **Organized by the Transportation Planning Committee**

<u>Traffic Jams: Multi-Modal Congestion Management Strategies for Complete Communities in Durham Region</u> *Rita Hu, Parsons Steven Kemp, Region of Durham* 

The Value of Parking

Barbara Gray, City of Toronto Lisa Salsberg, Access Planning

Streets Reimagined: Enhancing Mobility, Land Use, and Public Realm Integration

Mike van der Laan, City of Victoria

# TP.5 Decision Making, Evaluation and Monitoring

2104AB

Tuesday, October 07 14:00 - 15:30

#### Moderator

Anika Muhammad

#### **Presenter**

Alfred Cheng, Bruno Penet, David Kriger, Joseph Arcaro, Sheryl Li

## **Description:**

#### **Organized by the Transportation Planning Committee**

Effective Cost Management and Forecasting Solutions for Challenging Economic Times

Alfred Cheng, HDR Corporation Bruno Penet, HDR Corporation

Measuring travel trends in uncertain conditions: Evidence from Canadian cities

David Kriger, David Kriger Consultants

Risk Based Budgeting - Incorporating Uncertainty in Transportation Projects

Joseph Arcaro, HDR Corporation Sheryl Li, HHDR Corporation

# AT.4 Bicycle Priority Roundabouts in Canada: A Friendly Debate

309A

Tuesday, October 07 14:00 - 15:30

#### Moderator

Matthew Pinder

#### **Presenter**

Lacey Hirtle, James Schofield, Suzanne Woo, Phil Weber

## **Description:**

Organized by the Active Transportation Integrated Committee and in partnership with the Joint Roundabouts Subcommittee

Both roundabouts and protected cycling networks are growing in popularity – and where they overlap, practitioners face planning and design challenges. This panel discussion will feature some of Canada's leading design practitioners in a friendly debate format – two for, two against – to consider whether cyclists should receive priority over vehicles at roundabouts.

# GD.3 All Highways Great and Small: Interchanges, Major Facilities, and Two-Lane Highways

3064

Tuesday, October 07 14:00 - 15:30

#### Moderator

Doug MacKay

#### **Presenter**

Félix-Antoine Tremblay, Daniel Morton, Tim Sorochinsky

#### **Description:**

**Organized by the Geometric Design Committee** 

Improving Design Criteria of Jughandles for Cyclists on High-Speed Free-Flow Ramps Félix-Antoine Tremblay, École de technologie supérieure

Autoroute 31/Autoroute 40 Overpass Replacement and Temporary Interchange Reconfiguration in Lavaltrie, Quebec Daniel Morton, Parsons

Highways 413/401/407ETR — Creating Canada's first five-leg system interchange

Tim Sorochinsky, AECOM Canada ULC

# **GD.12 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets**

202

Tuesday, October 07 14:00 - 15:30

#### **Moderator**

Ainsley Brown

#### Presenter

Robert Cotnam, Matthew Ivany, Teodor Karamelo, Jeremy Kearns

### **Description:**

**Organized by the Geometric Design Committee** 

Bank Street - Contrast in Challenges Between Urban and Suburban Active Transportation Design Jeremy Kearns, Robinson Consultants

Robert Cotnam, Robinson Consultants

City of Edmonton: Complete Streets Design and Construction Standards

Matthew Ivany, City of Edmonton

**Designing Versatile Bus Terminals for Multi-Agency Operations** 

Teodor Karamelo, GFT Canada

# ST.4 Transportation Structures

207

Tuesday, October 07 14:00 - 15:30

## Moderator

Mark Scanlon

#### **Presenter**

Vivian Yu, Mohamed Zawam, Greg Bajus, Angela Ho, Trevor Small

## **Description:**

**Organized by the Structures Committee** 

#### RAPID BRIDGE REPLACEMENT OF CONCRETE RIGID FRAME BRIDGES

Mohamed Zawam, Stantec Consulting Ltd. Trevor Small, Stantec Consulting Ltd.

Rehabilitation of Royal Avenue Underpass Using SPMT

Greg Bajus, Hatch

Demolition Orchestra: Removing a bridge in a weekend

Vivian Yu, Mott MacDonald Angela Ho, Mott MacDonald

# **EN.2 Designing for Fish Passage: Critical Insights**

309B

Tuesday, October 07 14:00 - 15:30

#### Moderator

Stephen Legaree

#### **Presenter**

Nathan Farrell, Mitch Dender, Jean-Michel DeVink, Mathew Koprash

## **Description:**

Organized by the Environment and Climate Change Council

Fish Passage & Population Viability - Culvert Length Issues Jean-Michel DeVink, Aries Environmental Consulting

<u>Just Passing Through - Lessons Learned in Developing Fish Passage Solutions</u> *Mitch Dender, Parsons Inc.* 

From Barriers to Bridges: Innovative Solutions for Fish Passage Design Nathan Farrell, Egis Mathew Koprash, Egis

# **RS.7 Road Safety in Construction and Temporary Work Zones**

203

Tuesday, October 07 14:00 - 15:30

#### Moderator

**Andrew Northmore** 

## **Presenter**

Denny Leung, Omar Tahmiscic, Jessica Tufenkjian

## **Description:**

Organized by the Vision Zero & Safe System Subcommittee of the Road Safety Committee

<u>Innovative Traffic Management Strategies - Trans-Canada Highway (Highway 1) Flood Emergency Response</u> *Denny Leung, McElhanney* 

Non-Traditional Safety Measures on Highway construction site Jessica Tufenkjian, AtkinsRéalis

Keep those Buses Moving! Empowering Bus Operations to Improve Safety during Mega Construction Projects Omar Tahmiscic, TransLink

# IT.3 Rural ITS Opportunities and Challenges

308A

Tuesday, October 07 14:00 - 15:30

#### Moderator

Shawna Boakes

#### **Presenter**

Geoff Knapp, Michael McGuire, Allan Bartman

## **Description:**

#### Organized by the Intelligent Transportation Systems Committee

In rural areas, ITS solutions face many challenges and require different infrastructure and technologies than they do in urban environments. Panelists will discuss opportunities for ITS to improve user safety on rural roads, and key challenges for planning, designing, implementing and maintaining ITS solutions in rural areas across Canada.

# CO.2 Cost-Effective Construction Solutions for an Aging and Underfunded Network

2101

Tuesday, October 07 14:00 - 15:30

#### Moderator

Ron Weatherburn

#### **Presenter**

Alexander Buttgereit, Ryan O'Connell, Lucie Parrot, Jack Ajrab

## **Description:**

## **Organized by the Construction Committee**

The Hull Causeway Widening and Devil's Hole Dilemma Ryan O'Connell, Parsons Inc. Jack Ajrab, Parsons Inc.

The stress resilient membrane (SRM bit) for concrete, paved and asphalt surfaces Alexander Buttgereit, Department of Civil Engineering, Jade University, Germany

Value engineering for better roads and mobility

Lucie Parrot, VA Canada

## **Refreshment Break**

Foyer and Room 2000 Tuesday, October 07 15:30 - 16:00

#### **Description:**

# **Student & Young Professionals Meet & Greet**

Espace Urbain Tuesday, October 07 15:45 - 17:15

## **Description:**

Business Casual

Students and young professionals are invited to end the day at this casual reception. Network with peers and have the opportunity to learn more about getting involved with TAC's councils and committees. Canapés and refreshments will be available.

## CV.1 Connected and Automated Vehicles: The Role of the Public Sector

309A

Tuesday, October 07 16:00 - 17:30

#### **Moderator**

Michael Collins

#### **Presenter**

Michael DeRuyter, Paul Avery, Omar Choudhry

## **Description:**

### Organized by the Connected & Automated Vehicles Integrated Committee

This session will feature a panel of experts from government, academia, consulting and the auto industry discussing the role of the public sector in CAV adoption, regulation and preparedness. Possible topics include new technologies, vehicle communications and processes, emerging applications for freight and personal mobility, global deployments, and implications for the auto industry.

# **AM.4 Incorporating Sustainability in Asset Management**

204A

Tuesday, October 07 16:00 - 17:30

#### Moderator

Gabe Cimini

#### **Presenter**

Rafika Lassel, Joanderson Morais, Jessica Achebe, Glen Edwards, Jared McGinn

## **Description:**

#### **Organized by the Asset Management Committee**

Towards Low-Carbon Road Infrastructure: Integrating Life Cycle Assessment (LCA) to Support Canada's Net-Zero Goals Jessica Achebe, National Research Council Canada / Conseil national de recherches Canada

Incorporating Asset Management and Sustainability into the Design Process for Greater Community Benefit Glen Edwards, GHD

La réduction de l'empreinte environnementale des projets d'infrastructures

Joanderson Morais, École Polytechnique de Montréal

Rafika Lassel, CERIU - Centre d'expertise et de recherche en infrastructures urbaines

Case Study: Connections in Resiliency, Transportation Asset Management, Performance Based Practical Design and Effective Maintenance

Jared McGinn, New Brunswick Department of Transportation and Infrastructure

# PV.1 Designing, Building and Managing a Sustainable Pavement Network

307B

Tuesday, October 07 16:00 - 17:30

#### Moderator

Patrick St-Arnauld

## **Presenter**

Jean-Pascal Cloutier, Uwe Reinhardt, Mbayang Kandji, Stephen Goodman

## **Description:**

#### **Organized by the Pavements Committee**

Revue des modèles d'estimation du potentiel de ségrégation des sols Jean-Pascal Cloutier, Ministère des Transports et de la Mobilité durable

Calculation of the condition development of urban roads using measurement data to improve asset management Uwe Reinhardt, Institute of Urban and Pavement Engineering, TUD Dresden University of Technology, Germany

Skid resistance of pavement surface aggregates in Quebec: effect of polishing time, wear mechanisms, and aggregates properties.

Mbayang Kandji, Université Laval

Preliminary Insights from Multi-Year State-Level Pavement Friction Management Data

Stephen Goodman, Goodman Pavement and Materials Engineerin

# TP.13 Strategic Transportation and Land Use Planning

204B

Tuesday, October 07 16:00 - 17:30

#### Moderator

Lachlan Fraser

#### **Presenter**

Mark Baker, Dale Bracewell, Austin Shih, Zoltan Mucsi

#### **Description:**

#### **Organized by the Transportation Planning Committee**

<u>Scaling Up Mobility - Creating a Regional Transportation Service Through Engagement and Governance</u> *Dale Bracewell, Mobility Foresight* 

<u>Strategic Transportation Planning for Ottawa's Largest-Ever Healthcare Infrastructure Project Austin Shih, Parsons Inc.</u>

Mark Baker, Parsons Inc.

Lessons Learned from the Ottawa TMP

Zoltan Mucsi, Arcadis

# TP.6 Decision Making, Evaluation and Monitoring

2104AB

Tuesday, October 07 16:00 - 17:30

#### Moderator

Dimantha De Silva

## **Presenter**

Jermaine Smith, Lisa Salsberg, Michelle Kearns

## **Description:**

#### **Organized by the Transportation Planning Committee**

It's A Governance Problem! Unlocking The Key To Better Transit Decisions and Outcomes Lisa Salsberg, Access Planning

Building consensus: Strategies for multi-disciplinary stakeholder engagement and decision-making in transportation planning Michelle Kearns, Arcadis

An Innovative Approach to Success at Ontario Line's Exhibition Station

Jermaine Smith, HDR Corporation

# **CC.7 Decarbonizing the Transportation Sector**

205A

Tuesday, October 07 16:00 - 17:30

#### Moderator

Jennifer Niece

#### **Presenter**

Vahed Barzegari Bafghi, Ray Wilcock, Danial Faraji, Heather Kruger

## **Description:**

#### **Organized by the Climate Change Integrated Committee**

## Optimal Charger Deployment and Bus Electrification in Public Transportation

Vahed Barzegari Bafghi, York University

#### Underground Infrastructure—Getting to Net Zero

Ray Wilcock, Corrugated Steel Pipe Institute (CSPI)

#### Battery and Hydrogen Technologies for Decarbonizing Canadian Railways

Danial Faraji, Egis Heather KRUGER, Egis

# **GD.4 All Highways Great and Small: Interchanges, Major Facilities, and Two- Lane Highways**

306A

Tuesday, October 07 16:00 - 17:30

## Moderator

Patrick Stancombe

#### **Presenter**

Nico Valenton, Riyaz Sheikh, Mark Gimpoli, Jonathan McGarry, Dominic Cheng, Andrew Paton

## **Description:**

#### Organized by the Geometric Design Committee

#### The Bradford Bypass - Linking two of Canada's largest highways

Nico Valenton, AECOM Canada ULC Riyaz Sheikh, AECOM Canada ULC

## Highway 413 - Route Planning and Preliminary Design of a Major Facility

Mark Gimpoli, WSP Canada

Jonathan McGarry, Ontario Ministry of Transportation

#### Multi-Modal Transport Solution for the Pattullo Bridge Replacement Project

Dominic Cheng, Hatch Andrew Paton. Hatch

# ST.5 Transportation Structures

207

Tuesday, October 07 16:00 - 17:30

#### Moderator

Mark Scanlon

#### **Presenter**

François Beaurivage, Jean-Michel Lamy, Ieva Paegle, Salem Faza

## **Description:**

#### **Organized by the Structures Committee**

<u>Design of a new movable transfer bridge at the Souris Ferry Terminal</u> *Jean-Michel Lamy, Parsons Inc.* 

Ieva Paegle, Parsons Inc.

Le nouveau pont Jacques Bizard situé à Montréal, une conception durable, axée sur l'intégration avec son milieu François Beaurivage, AtkinsRéalis

Performance Comparison Steel Rebar vs GFRP in Reinforced Concrete Structures Salem Faza. CMC

# **EN.3 Fish Habitat Offsetting: Strategies and Successes**

309B

Tuesday, October 07 16:00 - 17:30

#### Moderator

Melissa Rutherford

## **Presenter**

Richard Simpson, Ed Torenvliet, William Verge

## **Description:**

Organized by the Environment and Climate Change Council

<u>Successful Strategy for NBDTI Offsetting Projects - Getting Credit For What The Project Deserves</u> Ed Torenvliet, New Brunswick Department of Transportation and Infrastructure

Building the Offsetting Toolbox: Challenges and opportunities for achieving impactful fish habitat offsets. William Verge, Ducks Unlimited Canada Alternative Approach to DFO Authorization Processes for Transportation Projects Richard Simpson, Associated Engineering Group Ltd.ortunities for achieving impactful fish habitat offsets.

William Verge, Ducks Unlimited Canada

Alternative Approach to DFO Authorization Processes for Transportation Projects Richard Simpson, Associated Engineering

# **RS.8 Road Safety in Construction and Temporary Work Zones**

308A

Tuesday, October 07 16:00 - 17:30

#### Moderator

Jeffrey Holland

#### **Presenter**

Jeremy Kearns, Mélanie Beaulieu, Ali Alou, Alvin Tse

## **Description:**

Organized by the Vision Zero & Safe System Subcommittee of the Road Safety Committee

La signalisation de travaux, bien plus que des panneaux!

Mélanie Beaulieu, Ministère des Transports et de la Mobilité durable

Creating Safe Work Zones: Balancing Construction Needs with Road User Safety

Jeremy Kearns, Robinson Consultants

City of Edmonton Safe and Accessible Traffic Accommodation Strategies

Ali Alou, City of Edmonton

Sustaining Special Events: Burnaby's Practical Intervention and Safety in Traffic Management

Alvin Tse, ISL Engineering and Land Services

# **GD.13 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets**

202

Tuesday, October 07 16:00 - 17:30

#### Moderator

Laurel Richl

#### Presenter

Curtis Flack, Bartek Komorowski, Lacey Hirtle, Charan Lotey

## **Description:**

**Organized by the Geometric Design Committee** 

Overcoming Urban Design Challenges: Creating Safe, Accessible, Vision Zero-Aligned Streetscapes in Edmonton Curtis Flack, Al-Terra Engineering

Charan Lotey, City of Edmonton

Street Design Consistent with Vision Zero

Bartek Komorowski, Ville de Montréal

Context Specific Design: Local Street Speed Management When Grades >8%

Lacey Hirtle, City of New Westminster

# CO.3 Cost-Effective Construction Solutions for an Aging and Underfunded Network

2101

Tuesday, October 07 16:00 - 17:30

#### **Moderator**

**Donald Maillet** 

#### Presenter

Ginette Bussière, Jedwin Mok, Alana Getty Somers, Parneet Dhillon

## **Description:**

**Organized by the Construction Committee** 

<u>Understanding the Drivers of Transit Construction Costs in Canada: A Comparative Study</u> *Jedwin Mok, University of Toronto* 

Projet pilote sur l'utilisation de remblai sans retrait pour l'enlèvement ou la reconstruction de ponceaux. Ginette Bussière, Ministère des Transports et de la Mobilité durable

A Strategic Approach to LRT Station Reconstruction

Alana Getty Somers, ISL Engineering and Land Services Ltd. Parneet Dhillon, City of Calgary

# SO.2 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

203

Tuesday, October 07 16:00 - 17:30

#### **Moderator**

Xiomara Sanchez

#### **Presenter**

Yongxuan Gao, Masoumeh Mazandarani, Campbell Bryden

## **Description:**

Organized by the Soils and Materials Committee

<u>Evaluating Variations of Strains in Geocell under Freeze-Thaw Cycles Using Distributed Fiber Optic Sensors Yongxuan Gao, University of Victoria</u>

<u>Use of Spray-Applied Geopolymer Mortar for Rehabilitation of Corrugated Steel Pipe Culverts: State-of-Art Review Campbell Bryden, University of New Brunswick</u>

Sustainable Low Impact Design (SLID) in Playground Pavement

Masoumeh Mazandarani, University of Windsor

# SP.2 PIARC International Winter Service Workshop: Innovations and Environmental Solutions for Resilient Roads

306B

Tuesday, October 07 16:00 - 17:30

#### **Moderator**

Miguel Caso-florez

#### **Presenter**

Becky Katz, Peter Nutz, Anna Arvidsson, Philippe Veillette

## **Description:**

Organized in collaboration with PIARC National Committees of Québec and Canada

#### Part 2: Greener Roads Ahead – Tackling Environmental Challenges in Winter Maintenance

How can winter service adapt to growing environmental pressures? This panel discussion brings together global and Canadian voices to examine emerging technologies that reduce environmental impact—from salt reduction strategies to sustainable materials and predictive weather tools—while maintaining high levels of service. Join the conversation on greener, smarter winter maintenance.

# Registration

Hall 2000 Wednesday, October 08 8:00 - 15:30

## **Description:**

## **Continental Breakfast**

Room 2000 Wednesday, October 08 8:00 - 8:30

#### **Description:**

# **Prayer Room**

Prayer Room - 305 Wednesday, October 08 8:00 - 17:00

## **Description:**

# Presenter & Moderator Lounge/Ready Room

205B

Wednesday, October 08 8:00 - 15:00

#### **Description:**

A dedicated lounge/ready room for presenters and moderators will be available during the conference, enabling them to meet prior to their session. It will offer light refreshments, and a computer and printer will be available for last-minute printing of notes.

## **Tour: Rue de la Faune Construction Site**

Wednesday, October 08 8:30 - 11:00

## **Description:**

### Pre-registration required

Capacity: 20 Participants

Mode of Transportation: Bus

This tour focuses on work underway on bridges P-20178E/W, including:

- · Backfilling in progress with observation of techniques and materials
- · Exposed deck slab (uncovered), underside visible
- - Formwork and reinforcement for transition slabs (possible)

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#### Personal Protection Equipment (PPE) required:

- Provided: Hard hat, safety vest and safety glasses
- Not provided: Steel-toed footwear

# **Tour: Québec Government Air Service (SAG)**

Wednesday, October 08 8:30 - 11:30

## **Description:**

#### **Pre-registration required**

Capacity: 25 Participants
Mode of Transportation: Bus

This tour includes a presentation of SAG's services, a visit to the Quebec City hangar, and a talk by Lynda Roy, General Manager. Topics will include:

- - Forest fire fighting (SOFEU)
- - Search and Rescue (SQ)
- - Medical transport (ÉVAQ)
- · Charter services for government departments and agencies

# **DA.5 Transportation Data and Analytics**

307B

Wednesday, October 08 8:30 - 10:00

#### Moderator

Kristen MacKay

#### **Presenter**

Jesse Coleman, Dan Lu, Jenny Albers, Jacob Malleau, Ghazaleh Mohseni

## **Description:**

#### Organized by the Digital Applications Committee

Catching a Ride on Data: Understanding the Impact of Vehicles-for-Hire on Toronto's Transportation Network

Dan Lu, GFT Canada

Jesse Coleman, City of Toronto

Optimizing Snow Clearing Operations: A Tactical Decision-Making Algorithm Ghazaleh Mohseni, York University

Municipal Paid Parking: Lessons from a Digital Transformation Jenny Albers, City of Edmonton

Real-Time Parking Maps: Enhancing Transportation Efficiency Through Digital Integration Jacob Malleau. Arcadis

Jenny Albers, City of Edmonton

# AM.3 Fostering a Culture of Asset Management: Lessons Learned

306B

Wednesday, October 08 8:30 - 10:00

#### **Moderator**

Didi Shatil

#### **Presenter**

Tom Greaves, Chris Yang, Étienne Grégoire, Brian Titherington

## **Description:**

#### Organized by the Asset Management Committee and in partnership with the Professional Development Committee

Training and developing staff across different parts of an organization is critical to the successful management of transportation assets. In this session, experienced panelists will offer lessons learned from their journeys toward a broad, integrated culture of asset management in their organizations.

## Fostering a Staff-focused Culture of Asset Management

Étienne Grégoire, Ministère des Transports et de la Mobilité durable

### Asset Management and Utility Coordination on Infrastructure Projects

Tom Greaves, WSP

## 3D Asset Management Culture Model

Chris Yang, Tetra Tech Canada

#### Fostering a Culture of Asset Management - The York Region Experience

Brian Titherington, Regional Municipality of York

# **AT.6 Low-Speed Corridors as Complete Streets**

203

Wednesday, October 08 8:30 - 10:00

#### Moderator

Nataliya Pekar

#### **Presenter**

Patrick McDonough, Scott Mensink, Nabila Chatur, James Schofield

## **Description:**

Organized by the Active Transportation Integrated Committee and in partnership with the Road Safety Committee

## Low-Speed Roads Synthesis of Practice Project

James Schofield, WSP Canada

#### Jasper Avenue Streetscape - Implementing 40 km/h on a Downtown Arterial

Patrick McDonough, City of Edmonton Scott Mensink, ISL Engineering and Land Services

107 Ave Contraflow Cycling Pilot

Nabila Chatur, City of Edmonton

# **TP.7 Health and Equity in Transportation**

204B

Wednesday, October 08 8:30 - 10:00

#### **Moderator**

Maria King

## **Presenter**

Sabrina Lau Texier, Karen Laberee, Meghan Winters, Katie De Palma

## **Description:**

## Organized by the Transportation Planning Committee

Monitoring where new bicycle infrastructure is built across Canada: Implications for health and equity

Meghan Winters, Simon Fraser University Karen Laberee, Simon Fraser University

Catalyser le changement systémique pour des villes plus saines: Un parc d'éducation cycliste à Burnaby

Sabrina Lau Texier, TransLink Meghan Winters, Simon Fraser University

**Transportation Equity at MTO** 

Katie De Palma, Ontario Ministry of Transportation

# **RS.4 Road Safety Analysis**

202

Wednesday, October 08 8:30 - 10:00

#### Moderator

Stephen Chapman

#### **Presenter**

Tom Li, Omar Kilani, Yutaka Tabata, Laurel Richl, Monique Beaudry

## **Description:**

#### Organized by the Road Safety Committee

Evaluation of High Tension Cable Barriers in the Urban Context

Tom Li, City of Calgary Stephen Chapman, KGS Group

Enhancing Safety on the Alaska Highway: A Comprehensive Engineering Analysis and Improvement Strategy

Omar Kilani, Tetra Tech Canada Yutaka Tabata, Tetra Tech Canada

Safety Evaluation of Canada's first Restricted Crossing U-Turn on Highway 16 in Saskatchewan

Laurel Richl, Associated Engineering Monique Beaudry, Associated Engineering

# **TP.14 Strategic Transportation and Land Use Planning**

309B

Wednesday, October 08 8:30 - 10:00

#### Moderator

Kinan Bahbouh

#### **Presenter**

Catherine Morency, Loïc Miara, Samar Saadi Nejad

## **Description:**

#### **Organized by the Transportation Planning Committee**

Conception d'une plateforme d'aide au choix des localisations

Catherine Morency, École Polytechnique de Montréal

Synergize, or Takes as Much Time: Lessons from a Co-Proponent Municipal Class Environmental Assessment, Vaughan Samar SaadiNejad, City of Vaughan

Croissance algorithmique de réseaux cyclables

Loïc Miara, École Polytechnique de Montréal

# CC.4 Climate Vulnerability and Resilience: Getting Out in Front

207

Wednesday, October 08 8:30 - 10:00

#### Moderator

Mani Rajendran

#### **Presenter**

Leanne Whiteley-Lagace, Carly Madge, Molivann Panot

## **Description:**

## **Organized by the Climate Change Integrated Committee**

Incorporating Climate Change Risk Assessment into Pavement Asset Management Plans: A Case Study for York Region Leanne Whiteley-Lagace, Stantec Consulting

Impacts des changements hydrologiques sur le trafic maritime dans le bassin du Saint-Laurent : une approche par jumeau numérique

Molivann Panot, Cirano

ClimateData.ca: Datasets, tools, and guidance for integrating climate resilience into the transportation sector Carly Madge, Canadian Center for Climate Services

# ST.6 Transportation Structures

205A

Wednesday, October 08 8:30 - 10:00

#### Moderator

Azita Azarnejad

## **Presenter**

Meckkey El-Sharnouby, Alex Stuart, Campbell Bryden

## **Description:**

#### **Organized by the Structures Committee**

Analysis and design of steel buried bridges in high seismic zone - CHBDC vs. non-linear time history analysis Meckkey El-Sharnouby, Atlantic Industries Limited

Early Deterioration of a Critical Highway Asset: Assessment and Monitoring of a Large Cast-in-Place Box Culvert Beneath 25m of Fill on a Key New Brunswick Highway

Campbell Bryden, EXP Services

<u>Design and Implementation of Continuous Flight Auger Piles for the Highway 400 Dunlop Street Underpass</u> *Alex Stuart, Egis* 

# **EN.5 Integrating Environmental Gains into Project Design**

2104AB Wednesday, October 08 8:30 - 10:00

#### Moderator

Trevor Kinley

#### **Presenter**

Curtis Flack, Nick Guaran, Melissa Raffoul, Amin Owrangi, Dwayne Andrews, Jori Brownlow, Joy Liang

## **Description:**

## Organized by the Environmental Issues Committee

Highways And Habitats: Balancing Environmental and Transportation Considerations to Determine Wildlife Crossing Opportunities for the Future Four-Laned Highway 69

Melissa Raffoul, Parsons

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Integrating Low Impact Design and Advanced Modeling to Address Stormwater Management in Expanding Road Networks

Amin Owrangi, AtkinsRéalis

Joy Liang, AtkinsRéalis

Beyond Riprap: Sustainable Solutions for Road Embankment Protection - The Othello Road Case Study Nick Guaran, McElhanney
Jori Brownlow, McElhanney

Greener Streetscapes: Integrating Environmental Gains Through LID and Sustainable Urban Infrastructure Design Dwayne Andrews, Al-Terra Engineering Curtis Flack, Al-Terra Engineering

# MM.5 TDM Strategies in a Post-Pandemic World

309A Wednesday, October 08 8:30 - 10:00

#### Moderator

Dale Bracewell

#### **Presenter**

Benita van Miltenburg, Shawn Smith, Eric Petersen

## **Description:**

#### **Organized by the Mobility Management Committee**

This panel discussion will explore how transportation demand management (TDM) strategies have evolved as workers return to the office, with a focus on strategies that promote public transit and micromobility use.

# **GD.14 Urban Design Challenges: Accessibility, Vision Zero and Complete Streets**

306A

Wednesday, October 08 8:30 - 10:00

#### **Moderator**

Bruno Marquis

#### **Presenter**

Karine Chalifoux, Narayan Donaldson, Nicolas Maltais-Tariant, Nicholas Phan

## **Description:**

**Organized by the Geometric Design Committee** 

Portrait et retour d'expérience sur les pistes cyclables à mi-niveau à Montréal Nicolas Maltais-Tariant, Ville de Montréal Nicholas Phan, Ville de Montréal

Réaménagement de la 4e Avenue à Québec: les trottoirs traversants

Karine Chalifoux, Ville de Québec

Supporting Active Transportation with Protected Roundabouts

Narayan Donaldson, Mobycon

# SO.3 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

2101

Wednesday, October 08 8:30 - 10:00

#### **Moderator**

Vipin Sharma

#### Presenter

Farshad Kamran, Bernie Mills, Arghya Chatterjee, Ania Anthony

## **Description:**

Organized by the Soils and Materials Committee

Tire Derived Aggregate Embankment Design and Construction for Saskatchewan Highway 39

Bernie Mills, Stantec Consulting Ltd. Ania Anthony, Saskatchewan Ministry of Highways

Significance of dynamic modulus of geocell for reinforcing rail embankments

Arghya Chatterjee, Stratum Logics Inc.

Mechanical Response of Road Embankments Built on Permafrost located at Inuvik-Tuktoyaktuk Highway Farshad Kamran, Université Laval

# CV.2 Connected Vehicle Technologies: Improving Safety for Other Modes

308A Wednesday, October 08 8:30 - 12:00

#### Moderator

Edward Stubbing, Cameron Berko

#### **Presenter**

Bobin Wang, Paul Avery, Brent Rogerson

## **Description:**

#### Organized by the Connected & Automated Vehicles Integrated Committee

Advancements in connected vehicle technologies can help create safer, more enjoyable spaces and places for other modes in the right-of-way. In this session, panelists will share recent and emerging applications, what objectives they have achieved, and what new opportunities they have created in public rights-of-way.

# AT.5 Connecting Active Transportation Networks by Connecting People

308B Wednesday, October 08 8:30 - 12:00

#### Moderator

Kevin Larrivée, Amélie Cossé

#### **Presenter**

Justin Jones, Peter Topalovic, Sarah LeBlanc

## **Description:**

# Organized by the Active Transportation Integrated Committee and in partnership with the Professional Development Committee

In this workshop, practitioners will learn to better connect and communicate with people by experiencing what it feels like to be a member of the public during a consultation process or event. The workshop will explore the "Liberating Structures" framework (<a href="www.liberatingstructures.com">www.liberatingstructures.com</a>) which offers an alternative to conventional engagement. It will apply two different structures – "User Experience Fishbowl" will focus plenary presentations and discussion around one topic, and "Wise Crowds" will allow participants to raise their own challenges (solicited in advance) for discussion in small groups. By practising these two structures, workshop participants will be introduced to an innovative tool they can use in their own practice.

## **Refreshment Break**

Room 2000 Wednesday, October 08 10:00 - 10:30

## **Description:**

# **TP.1 Complete Networks: Fitting into the Bigger Picture**

306A

Wednesday, October 08 10:30 - 12:00

#### Moderator

Monique Beaudry

#### **Presenter**

Matthew Pinder, Adam Rosenfield, Winnie Lai, Karen Laberee, Meghan Winters

## **Description:**

Organized by the Transportation Planning Committee and in partnership with the Active Transportation Integrated Committee

Building Complete Micromobility Networks: Lessons for Long-Term Success

Winnie Lai, City of Vaughan Matthew Pinder, Mobycon

The CapaCITY/É research team's pursuit of defining an All Ages & Abilities cycling network

Karen Laberee, Simon Fraser University Meghan Winters, Simon Fraser University

Regulating Micromobility for Success: How Canadian Suburbs can Harness the Benefits of E-Bikes and E-Scooters Adam Rosenfield. WSP Canada Inc.

# SO.4 Advancements in Testing, Modelling and Innovation for Roadway/Embankment Materials and Geotechnical Engineering

2101

Wednesday, October 08 10:30 - 12:00

#### Moderator

Jessica Achebe

#### Presenter

Thang Ho, Barry Blus, Allan Bradley

## **Description:**

Organized by the Soils and Materials Committee

Optimizing Geosynthetic Interlayer Systems for Reflective Cracking Mitigation: Mechanical Performance, Economic Analysis, and Environmental Benefits

Thang Ho, École de technologie supérieure

Assessing the risks and mitigating the impact of Mid-Winter Thaws on Canadian Winter Weight Policies Allan Bradley, FPInnovations

Development of a Novel Lightweight Asphalt Concrete Mixture with Improved Insulation and Strength Characteristics Barry Blus, University of Waterloo

# **CO.7 Utility Coordination on Projects**

2104AB

Wednesday, October 08 10:30 - 12:00

#### Moderator

Claire Lukka

#### **Presenter**

Dominic Cheng, Masum Rahman, Malika Ali, Dominic Dion, Nicole Rose

## **Description:**

Organized by the Utilities Management Subcommittee of the Construction Committee

<u>Utility Relocations on the Pattullo Bridge Project: New Westminster and Surrey, BC Dominic Cheng, Hatch</u> *Nicole Rose, Hatch* 

Stormwater Management and Erosion & Sediment Control challenges - Highway 401 Expansion Project case study Masum Rahman. Parsons

50st Grade Separation Project Utilities Work Malika Ali, City of Edmonton

<u>Utility Relocations along Edmonton's Yellowhead Trail Freeway Conversion: St. Albert Trail to 97 Street</u> *Dominic Dion, Al-Terra Engineering* 

# **ED.1 Tackling Today's Challenges in Transportation: An Intergenerational Discussion**

306B

Wednesday, October 08 10:30 - 12:00

#### Moderator

Sean Nix

#### **Presenter**

Alejandro Romero-Torres, David Hein, Florent Le Gac, Manon Bomy, Crystal Trang

## **Description:**

## **Organized by the Education Committee**

This panel discussion will feature a dialogue between current transportation leaders and the "next generation" of post-secondary, students, focusing on topics such as climate change, artificial intelligence, and active transportation. Audience members will hear how generational views may (or may not) contrast and will be invited to participate in the discussion by raising their own perspectives. Conference attendees of all ages are welcome!

Topic 1 - Artificial Intelligence: Craig Milligan and Florent Le Gac

Topic 2 - Communication: David Hein and Crystal Trang

Topic 3- Project Management: Alejandro Romero-Torres and Manon Bomy

# CC.5 Climate Vulnerability and Resilience: Getting Out in Front

207

Wednesday, October 08 10:30 - 12:00

#### Moderator

Jennifer Niece

#### **Presenter**

Mohsen Yazdi, Payman Yousefi Mojir, Mehdi Heidari, Stéphane Martel, Val Sylaj

## **Description:**

#### **Organized by the Climate Change Integrated Committee**

Investigation of Mechanical Performance for Railway Tracks Elastic Components in Extreme weather Conditions: A Literature Review

Mohsen Yazdi, WSP Canada Payman Yousefi Mojir, WSP Canada

Edmonton LRT Stormwater Management Constraints: An Integrated Streetscaping and LID Approach as a Unified Solution Mehdi Heidari, Parsons

#### Modern Methods of Construction in Infrastructure

Stéphane Martel, Canadian Precast/Prestressed Concrete Institute Val Sylaj, Canadian Precast/Prestressed Concrete Institute

# TP.8 Health and Equity in Transportation

204B

Wednesday, October 08 10:30 - 12:00

#### Moderator

Mehemed Delibasic

#### **Presenter**

Ahmed El-Geneidy, Eric Petersen, Hisham Negm, Lee Caragiale, Mike Washington

## **Description:**

#### **Organized by the Transportation Planning Committee**

#### The Gender Divide in Transit Use

Eric Petersen, Mott MacDonald

Building long-lasting change in a short-sighted world: strategies to advance and sustain transportation equity.

Lee Caragiale, HDR Engineering, Inc Mike Washington, HDR Engineering, Inc

The impact of daily travel and transit use on quality of life in Canada

Hisham Negm, McGill University Ahmed El-Geneidy, McGill University

## **GD.7 Unconventional Intersections and Roundabouts**

202

Wednesday, October 08 10:30 - 12:00

#### Moderator

Phil Weber

#### Presenter

Robert Cotnam, Jeremy Javier, Smith Siromaskul, José Pinto

## **Description:**

#### **Organized by the Geometric Design Committee**

<u>Turbo Roundabouts: Features, Benefits, and Lessons Learned Designing for Canadian Contexts</u> *Jeremy Javier, McElhanney José Pinto, McElhanney* 

Jeanne d'Arc Boulevard Transit Priority Roundabout

Robert Cotnam, Robinson Consultants

When Everything is Connected, Success Can Mean Failure

Smith Siromaskul, HDR Corporation

## MO.5 Sustainable Road Maintenance

203

Wednesday, October 08 10:30 - 12:00

#### Moderator

Jean-Luc Lambert

## **Presenter**

Bow Sanderson, Éric Lachance-Tremblay, Noura Sajjad

## **Description:**

#### **Organized by the Maintenance and Operations Committee**

Evaluation of Elastic Modulus Evolution of Cold In-place Recycling during early curing Éric Lachance-Tremblay, École de technologie supérieure

<u>Full-Depth Reclamation : Evaluation of Mechanical Stabilization (FDR-MS) on a Low-Traffic Road in Prévost, Québec</u> Éric Lachance-Tremblay, École de technologie supérieure

Optimizing Volumetric Properties of Bitumen Stabilized Materials for Sustainable Pavement Rehabilitation Noura Sajjad, École de technologie supérieure

The Transformation of Maintenance & Operations Culture

Bow Sanderson, City of Edmonton

# **RS.13 Safety for Young Road Users**

309A Wednesday, October 08 10:30 - 12:00

#### Moderator

**Andrew Northmore** 

#### **Presenter**

Zahra Tavakoli, Marian Mithani, Jamie Stuckless, Paul Mackey

## **Description:**

#### Organized by the Road Safety Committee

This panel discussion will explore what it means to have a road network that is safe for users up to 15 years of age, who are considered vulnerable roads users in almost all situations – whether they are walking, cycling, or needing extra protection in a vehicle designed for adults (e.g. car seat or booster). Panelists will explore this subject from different perspectives to illustrate how we can make roads safer for everyone when we make them safer for young users.

# **Wednesday Lunch**

Room 200 Wednesday, October 08 12:00 - 13:00

## **Description:**

Business casual attire.

As the 2025 TACConf draws to a close, join us for the **Wednesday Lunch** to reflect on the week's connections, insights, and accomplishments.

Lunch is served plated at the tables promptly at noon. At 12:35 ET, **Sarah Wells**, TAC's Executive Director, will thank the many individuals and organizations who contributed to this year's successful event, including our Local Organizing Committee and its representatives. We'll also take a look ahead to the **2026 TAC Conference & Exhibition** being held in Winnipeg from October 4 to 7.

Enjoy this final opportunity to gather with colleagues and celebrate the community that powers Canada's transportation sector.

# Tour: 40 Construction Site (Masson / l'Ormière)

Wednesday, October 08 13:15 - 15:45

## **Description:**

## **Pre-registration required**

Capacity: 20 Participants

Mode of Transportation: Bus

This tour will showcase roadway and bridge rehabilitation work on Autoroute Félix-Leclerc (A-40), in the areas of Rivière Saint-Charles and Masson / L'Ormière boulevards. Highlights include:

- · Reconstruction of four roadway bridges
- · Refurbishment of concrete pavement, lighting and fibre optics
- Construction of two temporary bridges and road segment to maintain traffic flow
- · Recovery of materials and invasive plant management

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## Personal Protection Equipment (PPE) required:

Provided: Hard hat and safety vest Not provided: Steel-toed footwear

# **Tour: Pierre-Laporte Bridge**

Wednesday, October 08 13:15 - 16:00

## **Description:**

## **Pre-registration required**

Capacity: 25 Participants
Mode of Transportation: Bus

This tour will explore the Pierre-Laporte Bridge, Canada's longest suspension bridge, and will include visits to the steel deck structure and anchor chambers.

#### Personal Protection Equipment (PPE) required:

- Provided: Hard hat with chinstrap, class 2 orange safety vest, gloves and safety glasses
- Not provided: Eight-inch steel-toed safety boots

# PD.2 Empowering the Next Generation: Building Impactful Young Professional Programs

308A

Wednesday, October 08 13:15 - 14:45

#### **Moderator**

Sarah Riginiano

#### **Presenter**

Asal Rahbari, Jamie Black, Jacob Pacheco-Phillips, Wiem Rjeb

## **Description:**

#### **Organized by the Professional Development Committee**

This session will feature panelists under the age of 35 who will share their perspectives on development programs for young professionals. It will explore how different organizations are helping early-career practitioners to learn, grow and network. Panelists will discuss needs and challenges, share their experiences, and identify what works. Attendees will gain valuable insights, allowing them to inspire change and help their organizations support younger staff.

# AT.2 Active Transportation in Small Municipalities and Rural Areas

2104AB

Wednesday, October 08 13:15 - 14:45

#### **Moderator**

Katy Schram

#### **Presenter**

Matt Zilinski, Brandon Quigley, Joëlle Rompré

#### **Description:**

#### **Organized by the Active Transportation Integrated Committee**

Active Transportation Design Guide for Yukon Highways Matt Zilinski, Urban Systems

Active Transportation Master Planning in Rural Ontario communities - lessons from three case studies Brandon Quigley, CIMA+

Défis des petites municipalités pour favoriser la mobilité active aux abords des routes numérotées Joëlle Rompré, EXP Services

# **AM.7 New Technologies in Asset Management**

204B

Wednesday, October 08 13:15 - 14:45

#### Moderator

Shabani Kachua

#### **Presenter**

Alexander Buttgereit, Marc Ta-ala, Seunghyun Choi, Salim Sarwar

## **Description:**

#### **Organized by the Asset Management Committee**

City of Edmonton Drone Inspection Program for Bridges - Growth and Next Steps

Marc Ta-ala, City of Edmonton Seunghyun Choi, City of Edmonton

Asset information management as part of resource protection

Alexander Buttgereit, Jade University, Germany

Government of the Northwest Territories Bridge Asst Management Plan

Salim Sarwar, Government of the Northwest Territories Department of Infrastructure

# CC.8 Decarbonizing the Transportation Sector

2101

Wednesday, October 08 13:15 - 14:45

#### Moderator

Andrew Harkness

## **Presenter**

Michael DeRuyter, Heather Kruger, Cyril Balitbit, Anna Sluis, Kate Aglitsky, Danial Faraji, Tyler Graham

## **Description:**

#### Organized by the Climate Change Integrated Committee

Advancing Electric Vehicle (EV) Charging Infrastructure and Supporting Policies in Ontario

Michael DeRuyter, Ontario Ministry of Transportation Tyler Graham, Ontario Ministry of Transportation

<u>Driving Decarbonization: Neighbourhood Renewals for Sustainable, Net-Zero, and Resilient Urban Transportation Systems</u> *Cyril Balitbit, Al-Terra Engineering (Edmonton) Ltd.* 

Environmental Management Systems (EMS) as a Framework for Advancing Sustainability in Public Transit

Anna Sluis, TransLink Yekaterina Aglitsky, New York City Transit

Decarbonizing Australia's Rolling Stock: Insights for the Canadian Railway Sector

Danial Faraji, Egis Heather Kruger, Egis

# PV.2 Designing, Building and Managing a Sustainable Pavement Network

203

Wednesday, October 08 13:15 - 14:45

#### Moderator

Shawn Lapain

#### **Presenter**

Syrine Chabchoub, Alyssa Bernier, Julie Roby

## **Description:**

#### **Organized by the Pavements Committee**

<u>Calibration of AASHTOWare Pavement ME Design Performance Prediction Models for flexible Pavements in Québec</u> *Syrine Chabchoub, Université Laval* 

An Investigation of the Impact of Asphalt Mix Types on Predicted Distresses Using the PMED Software Julie Roby, Ministère des Transports et de la Mobilité durable

The Impact of Heat Waves on Predicted Ontario Pavement Performance using Pavement Mechanistic Empirical Design Software

Alyssa Bernier, GEMTEC Limited

# **DA.6 Transportation Data and Analytics**

207

Wednesday, October 08 13:15 - 14:45

#### Moderator

Benoit Kroely

## **Presenter**

Yan Turgeon, Ion Cojoc

## **Description:**

**Organized by the Digital Applications Committee** 

Évaluation des coûts socio-économiques des déplacements autoroutiers

Yan Turgeon, Ministère des Transports et de la Mobilité durable

Outils pour la gestion des réseaux multi-horizons dans les modèles de transport à grande échelle lon Cojoc, Ministère des Transports et de la Mobilité durable

# IT.1 Innovations in Intelligent Transportation Systems

309A

Wednesday, October 08 13:15 - 14:45

#### Moderator

Richard Chylinski

#### **Presenter**

Othmane Tikito, Ryan Saville, Hughes Michaud

## **Description:**

#### Organized by the Intelligent Transportation Systems Committee

Centralized Emergency Vehicle Preemption - a smarter solution to improve safety

Ryan Saville, TransCore ITS

**QEW Innovation Corridor - Moving into Implementation** 

Bahar Namaki Araghi, WSP Canada

Optimisation du trafic sur la route 300 à YUL

Othmane Tikito, Stantec Consulting Hughes Michaud, Orange Traffic

# **TP.2 Complete Networks: Fitting into the Bigger Picture**

307B

Wednesday, October 08 13:15 - 14:45

#### Moderator

Ahsan Habib

## **Presenter**

Marian Mithani, Richa Dave, Jonathan Chai

## **Description:**

Organized by the Transportation Planning Committee and in partnership with the Active Transportation Integrated Committee

In Your Backyard: Lessons in Talking about Neighbourhood Traffic

Marian Mithani, City of Toronto

The Brampton Mobility Plan: A 2051 Vision for Complete Streets and Sustainable Mobility

Richa Dave, City of Brampton Jonathan Chai, HDR Corporation

#### \*CANCELLED\*

Integrating Land Use and Multimodal Transportation: The Young District's Complete Network Vision

Jake Berube, Parsons

Leen Romaneh, Halifax Regional Municipality

# **EN.6 Integrating Environmental Gains into Project Design**

309B Wednesday, October 08 13:15 - 14:45

#### Moderator

Marie-Michelle Vézina

#### **Presenter**

Monica Gallego, Isabelle Falardeau, Bernard Hétu, Samuel Trottier

## **Description:**

## **Organized by the Environmental Issues Committee**

La nouvelle Politique de gestion du bruit routier du ministère des Transports et de la Mobilité durable du Québec : plus d'efforts pour moins de bruit

Bernard Hétu, Ministère des Transports et de la Mobilité durable

Identifier les gains environnementaux potentiels dans la conception des projets de moyenne et grande envergure Samuel Trottier, WSP Canada

Présentation du projet de construction du nouveau pont de l'Île d'Orléans

Monica Gallego, Ministère des Transports et de la Mobilité durable Isabelle Falardeau, Ministère des Transports et de la Mobilité durable

## **GD.8 Unconventional Intersections and Roundabouts**

306A

Wednesday, October 08 13:15 - 14:45

## Moderator

Mark Mascioli

#### **Presenter**

Charan Lotey, Lacey Hirtle, Monique Beaudry, Dwayne Andrews, Jon Medori

## **Description:**

#### **Organized by the Geometric Design Committee**

Highway 16 Reduced Collision U-Turn at Dalmeny Access Road

Jon Medori, Associated Engineering Monique Beaudry, Associated Engineering

<u>Unconventional: A Case Study in Retrofitting Uncommon Intersection Types for Vulnerable Users</u>

Dwayne Andrews, Al-Terra Engineering Charan Lotey, City of Edmonton

Star Diverter: Prioritizing Pedestrian and Cyclist Safety at Local Street Bikeway Intersections

Lacey Hirtle, City of New Westminster

# **CO.8 Utility Coordination on Projects**

205A

Wednesday, October 08 13:15 - 14:45

#### Moderator

Claire Lukka

#### **Presenter**

Alejandro Romero-Torres, Ophir Wainer, Alain Basakay, Janelle Pawluk

## **Description:**

Organized by the Utilities Management Subcommittee of the Construction Committee

Améliorer la gouvernance collaborative des projets d'infrastructure : un projet de transport public en Amérique du Nord Alejandro Romero-Torres, Université du Québec à Montréal

La création de SUE et un petit historique - Sa définition aujourd'hui

Ophir wainer, T2 Utility Engineers Alain Basakay, T2 Utility Engineers

Utility Considerations in the Design of Transportation Renewal Projects

Janelle Pawluk, City of Edmonton

# **RS.5 Road Safety Analysis**

202

Wednesday, October 08 13:15 - 14:45

#### Moderator

Hervé Chapon

## **Presenter**

Maryam Hasanpour, Craig Milligan, Sepideh E. Tabrizi

## **Description:**

#### Organized by the Road Safety Committee

Lesson learned from Video-Driven Safety Analysis using Vehicle-to-Pedestrian and Vehicle-to-Vehicle Conflicts Maryam Hasanpour, 30 Forensic Engineering

New Techniques to Accurately Predict Pedestrian Crashes using Intelligent Transportation Systems Craig Milligan, Fireseeds North Infrastructure Corporation

Real-Time Grip Monitoring and Predictive Modeling for Optimized Winter Road Maintenance Sepideh E. Tabrizi, University of Guelph

# **TF.1 Effective and Efficient Requests for Proposals**

306B

Wednesday, October 08 13:15 - 14:45

#### Moderator

Heather Templeton

#### **Presenter**

Lisa Salsberg, Fernanda Rodrigues, Ryan Teplitsky

## **Description:**

#### **Organized by the Transportation Finance Committee**

Each year, public-sector organizations across Canada issue thousands of procurement opportunities for goods, services and construction work. This panel discussion will explore how effective and efficient requests for proposals (RFPs), requests for quotations (RFQs) and tenders can contribute to the success and benefits of transportation projects.

# Tour: Bike Tour – Pedaling for Safety: Exploring Vision Zero Improvements in Old Quebec (Lower Town and along the Saint-Charles River Corridor)

Wednesday, October 08 14:00 - 16:00

## **Description:**

#### Pre-registration required

Capacity: 15 Participants

Mode of Transportation: Self-service electric bike

The bike tour showcases some of the city's greatest advances in safe cycling and school corridors, as well as iconic views, while allowing you to stop and chat.

### Personal Protection Equipment (PPE) required:

• Provided: Electric bike and helmet

## Refreshment Break

Room 2000 Wednesday, October 08 14:45 - 15:15

## **Description:**

# IT.2 Innovations in Intelligent Transportation Systems

2101

Wednesday, October 08 15:15 - 16:45

#### Moderator

Richard Chylinski

#### **Presenter**

Elham Boozarjomehri, Basse Clement, David Kelly, Bahar Namaki Araghi

## **Description:**

#### Organized by the Intelligent Transportation Systems Committee

<u>Leveraging Technology to support Equity and Accessibility in and around Construction Zones: A Case Study of the City of Toronto, ON</u>

Bahar Namaki Araghi, WSP Canada

Utilising Artificial Intelligence to Address the Fatal Five

David Kelly, Acusensus

Demand forecasting for an Urban Air Mobility (UAM) transit service in Metro Vancouver

Elham Boozarjomehri, Grey Jay Basse Clement, McElhanney Ltd.

# AT.10 Technology, Signals and Active Transportation

306A

Wednesday, October 08 15:15 - 16:45

#### Moderator

James Schofield

#### **Presenter**

Craig Milligan, Pierre Longtin, Dan Zeggelaar, Michael Vaudan

## **Description:**

Organized by the Active Transportation Integrated Committee and in partnership with the Intelligent Transportation Systems and Traffic Operations & Management Committee

200,000 Hours of Continuous Pedestrian Near-Miss Data: Lessons From a New Signal Cabinet Application Craig Milligan, Fireseeds North Infrastructure Corporation

City of Edmonton Traffic Signal Program Review

Dan Zeggelaar, ISL Engineering and Land Services Michael Vaudan, City of Edmonton

<u>How an Intelligent Lighting System Transformed the Coexistence of Motorists, Pedestrians, and Cyclists in a Tunnel Pierre Longtin, Nyx Hemera Technologies</u>

# **AM.8 New Technologies in Asset Management**

204B Wednesday, October 08 15:15 - 16:45

#### Moderator

Gabe Cimini

#### **Presenter**

Leanne Whiteley-Lagace, John Laurent, Rachel Loboda

## **Description:**

#### **Organized by the Asset Management Committee**

<u>Évolution des indices de condition des routes à l'ère de l'inspection 3D des chaussées</u> John Laurent, Pavemetrics Systems inc.

How Curbs and Sidewalks can be Incorporated into a Pavement Management System: City of Edmonton Case Study Leanne Whiteley-Lagace, Stantec Consulting Ltd.

Transforming Bridge and Railway Asset Management: A Case Study of the Rideau River Railway Bridge Inspection, Using Advanced Drone Technology and Al

Rachel Loboda, Niricson

# AT.3 Active Transportation in Small Municipalities and Rural Areas

2104AB Wednesday, October 08 15:15 - 16:45

#### **Moderator**

Elizabeth Pugh

## **Presenter**

Artem Zaporozhets, Tim Aucott, David Breu, Andy Kading

## **Description:**

#### **Organized by the Active Transportation Integrated Committee**

Sharing is Caring: Insights from Cumberland's Shared Street Network Andy Kading, City of Victoria

Connecting Teepee Town; A Canmore-Style Conversion of Rural Roadways to an Urban Complete Street David Breu, ISL Engineering and Land Services

<u>Tailoring Active Transportation Design to Local Context - St.Johns Street Port Moody</u>

Artem Zaporozhets, Associated Engineering

Tim Aucott, City of Port Moody

# PV.3 Designing, Building and Managing a Sustainable Pavement Network

203

Wednesday, October 08 15:15 - 16:45

#### Moderator

Shawn Lapain

#### **Presenter**

M. Alauddin Ahammed

## **Description:**

**Organized by the Pavements Committee** 

A Comparative Analysis of PMED Software Predicted Distresses Using Level 1 and Level 3 Inputs of Asphalt Mix Properties M. Alauddin Ahammed, Manitoba Transportation and Infrastructure

Impact of Asphalt Binder Grades on PMED Software Predicted Distresses in New Flexible Pavements M. Alauddin Ahammed, Manitoba Transportation and Infrastructure

# **RS.6 Road Safety Analysis**

202

Wednesday, October 08 15:15 - 16:45

#### **Moderator**

Hugo Bertrand

## Presenter

Rene Lagace, Trevor Jones, Amir Gholds

## **Description:**

Organized by the Road Safety Committee

<u>Traffic Calming at the City of Moncton: A deep dive in the warrant matrix</u> Rene Lagace, City of Moncton

Guidance for Posted Speed Limit Reductions in Support of Vision Zero Amir Ghods, SMATS Traffic Solutions

Analyzing the relationship between on-street parking demand and illegal parking Trevor Jones, University of Toronto

# **TP.3 Complete Networks: Fitting into the Bigger Picture**

307B

Wednesday, October 08 15:15 - 16:45

#### Moderator

Amélie Cossé

#### **Presenter**

Arianne Robillard, Francesco Febres Caceres, Thomas Harvey-Gasse

## **Description:**

Organized by the Transportation Planning Committee and in partnership with the Active Transportation Integrated Committee

Des communautés sans voitures complètement intégrées et connectées pour s'attaquer à la crise immobilière Arianne Robillard, Mobycon

#### La planification des Corridors VivaCité à Québec

Thomas Harvey-Gasse, Ville de Québec

Les verrous et leviers d'acceptabilité des projets de rues conviviales au Québec et en Ontario

Francesco Febres Caceres, L'OBSERVATOIRE DE LA GESTION INTÉGRÉE DE L'ESPACE PUBLIC URBAIN du Centre d'expertise et de recherche en infrastructure urbaines

# **EN.7 Integrating Environmental Gains into Project Design**

309B

Wednesday, October 08 15:15 - 16:45

#### Moderator

Isabel Bernier-Bourgault

#### **Presenter**

Ariane Bouffard, Marilou Hayes, Pierre-Paul Tremblay, Cécile Pérés

## **Description:**

#### Organized by the Environmental Issues Committee

Impacts environnementaux de la construction de routes en tourbière

Ariane Bouffard, Ministère des Transports et de la Mobilité durable

Intégration de l'enjeu de la connectivité écologique à l'exploitation du réseau routier du Ministère

Marilou Hayes, Ministère des Transports et de la Mobilité durable

Projet de compensation du prolongement de l'autoroute 35

Pierre-Paul Tremblay, Stantec Consulting

Cécile Pérés, Stantec Consulting

# **DA.7 Transportation Data and Analytics**

207

Wednesday, October 08 15:15 - 16:45

#### **Moderator**

Benjamin Loucks

#### **Presenter**

Samina Bergeron-Zaidi, Ryan Saville, Lamia Anjum, Yannick Brosseau, Claire Goldring

## **Description:**

## **Organized by the Digital Applications Committee**

Hidden Gems: Mobility Diagnostic Based on Existing Data

Samina Bergeron-Zaidi, Intervia

Smarter ITS Applications using existing data sources

Ryan Saville, TransCore ITS

Using Data Analytics to Measure Workload of Transportation Control Room Operators

Lamia Anjum, AtkinsRéalis Claire Goldring, AtkinsRéalis

Open-source tools for mobility data collection and analysis

Yannick Brosseau, École Polytechnique de Montréal