

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

This tour is not accessible to persons with reduced mobility.

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.

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 [WTS Toronto Area Chapter](#) 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:

- [Technical Achievement Awards](#) 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.
- [Volunteer Recognition Awards](#) 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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- **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 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, AI 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

[Developing a Functional Classification for Fleet Assets: A Framework for Objective Decision-Making](#)

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

[Toronto Transit Commission's Organisational Enterprise Asset Management Systems](#)

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 Owraangi, 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 Owraangi, AtkinsRéalis

[Cross Section Elements: How Updates to the Geometric Design Guide Could Support Sustainable Transportation](#)

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

[Understanding and Designing Effective Mobility Hubs](#)

Stephen Oliver, GHD

[Seamless Journeys: Enhancing Community and Regional Connectivity through Major Transit Station Area Plans](#)

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

[Archaeology and Indigenous Consultation and Engagement - Processes, Challenges and Opportunities for Collaboration](#)

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 AI](#)

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

[Mississauga No Right Turn on Red and Fully Protected Left Turns Implementation Methodology](#)

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 AI-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 AI 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

[Challenges in applying the City of Ottawa Road Safety Action Plan and Complete Streets Initiatives](#)

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, 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

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

[Du Concept à la Réalité : Approches Stratégiques pour la Réussite de Réseaux de Pôles de Mobilité](#)

Sophie Belzil, Access Planning

[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 déglacage 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 Management for Improved Efficiency](#)

Stephanie Clayton, AtkinsRéalis

Greg Schauer, AtkinsRéalis

[Using Deep Learning Technology for Image-Based Traffic Sign Damage Detection in Diverse Conditions](#)

Ahmed Khataan, University of British Columbia

Suliman Gargoum, 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

[Highway 1 - 264th Street Interchange Project Design Innovation](#)

*Ian Pilkington, British Columbia Ministry of Transportation and Transit
Victor Wang, Kiewit Engineering*

[Highway 69 Four Laning - Strategies to Facilitate Construction Access for a New Freeway in the Northern Ontario Wilderness](#)

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 Cécyre, 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 MystèreAct, 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

[Saskatoon Freeway Functional Planning Study - Opportunities for preservation and enhancement of natural urban ecosystems](#)

Hailey Rudniski, AtkinsRéalis

[Integrating Overall Design Gains into the Northern Road Link Environmental Assessment](#)

Angela Brooks, AtkinsRéalis

DA.3 Digital Twinning for Transportation Assets

204A

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

[Le BIM et l'IA au service du MTMD : un pont vers l'avenir, de la conception à la gestion d'actifs](#)

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

[Leveraging BWIM System Traffic Data for Long-Term Structural Health Monitoring of Highway Bridges](#)

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

[AI 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

[Using Transport Impact Assessments to improve pedestrian space design: The redevelopment of Molson Brewery site.](#)

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 Bahboub

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+

[Data-Driven Optimization and Economic Analysis of Automated Speed Enforcement Programs](#)

Ghazaleh Mohseni, York University

[City of Vaughan Neighbourhood Traffic Calming Policy, Design and Speed Management Plan](#)

Shawn Smith, WSP Canada

Sari Liem, City of Vaughan

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

308A

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

[Development of Road Cut Degradation Fees for City of Mississauga](#)

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

Stephane Charmot, Dave Johnson

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 CO₂-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

[Public Sector: Traffic Accommodation Strategy to support NHL Team operations with surrounding major Construction 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

[Transforming Road Asset Management with iPAVe: Advanced TSD Technology for Efficient Data Collection](#)

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

[Prioritizing Resilient Transportation Infrastructure - Asset Level Vulnerability Assessment Web Viewer](#)

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, Bitu 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 AI-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](#)

Bitu 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

[Sécurisation des aménagements aux abords des écoles : stratégie de priorisation et outil de planification](#)

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

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

[Decarbonizing the Transportation Sector with digital twins](#)

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: AI-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 SUSTAINABLE 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

[Traffic Jams: Multi-Modal Congestion Management Strategies for Complete Communities in Durham Region](#)

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

306A

Tuesday, October 07 14:00 - 15:30

Moderator

Doug MacKay

Presenter

Félix-Antoine Tremblay, Daniel Morton, Tim Soroichinsky

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 Soroichinsky, 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

[Just Passing Through - Lessons Learned in Developing Fish Passage Solutions](#)

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

[Innovative Traffic Management Strategies - Trans-Canada Highway \(Highway 1\) Flood Emergency Response](#)

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

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

[Scaling Up Mobility - Creating a Regional Transportation Service Through Engagement and Governance](#)

Dale Bracewell, Mobility Foresight

[Strategic Transportation Planning for Ottawa's Largest-Ever Healthcare Infrastructure Project](#)

Austin Shih, Parsons Inc.

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

[Design of a new movable transfer bridge at the Souris Ferry Terminal](#)

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

[Successful Strategy for NBDTI Offsetting Projects - Getting Credit For What The Project Deserves](#)

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.

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

[Understanding the Drivers of Transit Construction Costs in Canada: A Comparative Study](#)

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

[Evaluating Variations of Strains in Geocell under Freeze-Thaw Cycles Using Distributed Fiber Optic Sensors](#)

Yongxuan Gao, University of Victoria

[Use of Spray-Applied Geopolymer Mortar for Rehabilitation of Corrugated Steel Pipe Culverts: State-of-Art Review](#)

Campbell Bryden, University of New Brunswick

[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)

1.

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 Group

Monique Beaudry, Associated Engineering Group

TP.14 Strategic Transportation and Land Use Planning

309B

Wednesday, October 08 8:30 - 10:00

Moderator

Kinan Bahboub

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

Igor Sadoune, Leanne Whiteley-Lagace, Carly Madge

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](#)
Igor Sadoune, 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

[Design and Implementation of Continuous Flight Auger Piles for the Highway 400 Dunlop Street Underpass](#)
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

[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, 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

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

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 (www.liberatingstructures.com) 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

[Utility Relocations on the Pattullo Bridge Project: New Westminster and Surrey, BC](#)

Dominic Cheng, Hatch

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

[Utility Relocations along Edmonton's Yellowhead Trail Freeway Conversion: St. Albert Trail to 97 Street](#)

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

[Turbo Roundabouts: Features, Benefits, and Lessons Learned Designing for Canadian Contexts](#)

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

[Full-Depth Reclamation : Evaluation of Mechanical Stabilization \(FDR-MS\) on a Low-Traffic Road in Prévost, Québec](#)

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

1.

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

[Driving Decarbonization: Neighbourhood Renewals for Sustainable, Net-Zero, and Resilient Urban Transportation Systems](#)

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

[Calibration of AASHTOWare Pavement ME Design Performance Prediction Models for flexible Pavements in Québec](#)

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](#)

Ion 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

Anika Muhammad

Presenter

Marian Mithani, Richa Dave, Jonathan Chai

Description:

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

[The Brampton Mobility Plan: A 2051 Vision for Complete Streets and Sustainable Mobility](#)

Richa Dave, City of Brampton

Jonathan Chai, HDR Corporation

[In Your Backyard: Lessons in Talking about Neighbourhood Traffic](#)

Marian Mithani, City of Toronto

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, Narayan Donaldson

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

[Supporting Active Transportation with Protected Roundabouts](#)

Narayan Donaldson, Mobycon

[Unconventional: A Case Study in Retrofitting Uncommon Intersection Types for Vulnerable Users](#)

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 - 16:45

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

[Leveraging Technology to support Equity and Accessibility in and around Construction Zones: A Case Study of the City of Toronto, ON](#)

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

[How an Intelligent Lighting System Transformed the Coexistence of Motorists, Pedestrians, and Cyclists in a Tunnel](#)

Pierre Longtin, Nyx Hemera Technologies

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

[Évolution des indices de condition des routes à l'ère de l'inspection 3D des chaussées](#)

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 AI](#)

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

[Tailoring Active Transportation Design to Local Context - St.Johns Street Port Moody](#)

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 Ghods

Description:

Organized by the Road Safety Committee

[Traffic Calming at the City of Moncton: A deep dive in the warrant matrix](#)

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 Pérès

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 Pérès, 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

[Trésors cachés : Diagnostic de mobilité basé sur les données existantes](#)

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
