

ITS CANADA 2021 NOVEMBER CONFERENCE

| Monday November 29, Innovation Session #1 | | | |
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| Author | Company | Title | Topic |
| Kassi Venceslas / Prof. Ilham Benyahia | UQO | <i>ITS communications technologies challenges for emergency calls performance</i> | emergency/first responder |
| Jonathan Darton | IBI | <i>Evolution of Alberta's 511 program - transition from winter priorities to year round operations</i> | emergency/first responder |
| Brent Cary | Genetec | <i>Urban ITS</i> | emergency/first responder |
| Eshan Bagheri | Parsons | <i>Automated rule-based signing strategy application (SSA) for management of complex events on hightway networks</i> | emergency/first responder |

| Monday November 29, Innovation Session #2 | | | |
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| Author | Company | Title | Topic |
| Joseph Zhou | Rapid Flow Technologies | <i>The impacts of a new generation objective based adaptive control system in the City of St. Albert</i> | Mobility Technologies |
| Sameer Patil | City of Calgary | <i>Transtion to the next gen TMC - The City of Calgary experience</i> | Mobility Technologies |
| Sajad Shiravi | Miovision | <i>On-Demand Traffic Signal Retiming, From Theory to Practice</i> | Mobility Technologies |
| Kirk Schuller | York Region | <i>Mobile Transportation technology applications at York Region</i> | Mobility Technologies |
| Steve Ennis | ATS Traffic | <i>Advances in Mobile technology and Asset Management in the Traffic Industry Track</i> | Mobility Technologies |

| Monday November 29, Innovation Session #3 | | | |
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| Author | Company | Title | Topic |
| Dave Michelson | UBC | <i>AURORA 2.0 - Canada's 5G connected vehicle testbed</i> | Standards |
| Marco Soto | SCC | <i>V2X laboratory accreditation scheme</i> | Standards |
| Geoff Knapp | WSP | <i>Maintenance and Training for ITS Architecture for Canada</i> | ITS Architecture |
| Kevin Heffner | Pegasus Research and Technologies | <i>MITS MMITS Architecture components</i> | ITS Architecture |

| Monday November 29, Innovation Session #4 | | | |
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| Author | Company | Title | Topic |
| Ian Steele | PBX | <i>Rail crossing information system</i> | Goods Movement Technologies |
| Amir Amiri | MITL | <i>Autonomous vehicle technology for shaping the future of goods movement: a case study for Ontario</i> | Goods Movement Technologies |
| Tina Harron | IRD | <i>Technologies in Commercial Vehicle Operations, AI-based CVSA Decal Reader</i> | Goods Movement Technologies |
| Tyler Haichert | IRD | <i>Tire Safety Screening</i> | Goods Movement Technologies |
| Peter Fedechko | IRD | <i>Regina Bypass commercial vehicle operations</i> | Goods Movement Technologies |

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| Tuesday November 30, Innovation Session #5 | | | |
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| Author | Company | Title | Topic |
| Steve Erwin | CIMA+ | <i>Ontario's predictive transportation management approach</i> | Safety |
| Adam Weiss | UoC | <i>Understanding users perceptions of safety while riding e-scooters on different surface types programs</i> | Safety |
| Taufiq Rahman | NRC | <i>An overview of Cyber Security threats involving perception sensors for driving automation systems</i> | Safety |
| Shivang Dube | Transport Canada | <i>EasyMile Pilot</i> | Safety |

| Tuesday November 30, Innovation Session #6 | | | |
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| Author | Company | Title | Topic |
| Doug Gubbe | Novax | <i>Pedestrian accessibility on streets and sidewalks, challenges and lessons learned and climate impact</i> | Vulnerable Road Users |
| Brendon Hemily | Hemily & Associates | <i>Perspectives on Connected and Automated Vehicles and Vulnerable Populations</i> | Vulnerable Road Users |
| Renee Ray | Conduent | <i>Leveraging New Technologies to Reduce Transportation Barriers</i> | Vulnerable Road Users |
| Sara Khosravi | Kapsch | <i>Smartphone application to improve visually impaired pedestrians' safety and mobility in a connected vehicle environment</i> | Vulnerable Road Users |
| Doug Gubbe | Novax | <i>How infrastructure design and technology have helped improve pedestrian and bicycle mobility and safety</i> | Vulnerable Road Users |

| Tuesday November 30, Innovation Session #7 | | | |
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| Author | Company | Title | Topic |
| Sumeet Kishnani | Stantec | <i>Real-time monitoring of construction delays in a 720 km workzone through the Canadian Rockies</i> | Connected Environment |
| Melinda Tracey | IBI | <i>Utilizing ATMS for safety in workzones (Signaling for roadworks - SIR)</i> | Connected Environment |
| Seiran Heshami / Lina Kattan | UoC | <i>A dynamic bargaining game theory approach to freeway control in a connected environment</i> | Connected Environment |
| Roy Tal | Visual Defence | <i>Road operated video operation recognition (ROVER)</i> | Connected Environment |
| Mostafa Salari | UoC | <i>Path Flow Reconstruction in a Connected Environment</i> | Connected Environment |
| Lija Whittaker | MTO | <i>Queue & Stopped Vehicle Advisory System on Highway 405</i> | Connected Environment |

| Tuesday November 30, Innovation Session #8 | | | |
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| Author | Company | Title | Topic |
| Sumaya Nsair | UoC | <i>Dynamic transit passenger origin destination estimation: a bilevel variational inequality approach</i> | Transit |
| Aurélien Cottet | Instant-System | <i>MaaS, regaining control over a mobility policy</i> | Transit |
| Mr. Kareem Othman | UoT | <i>Novel Transit Improvement Strategies that Consider the Impact on the General Traffic</i> | Transit |
| Asiri Senasinghe | UoC | <i>Autonomous feeder network design with consideration to fairness</i> | Transit |