



Smart Freight Symposium

2022

Hosted by **Toronto Metropolitan University**  on November 15, 2022 at Sears Atrium



Location: Sears Atrium, George Vari Engineering and Computing Centre, 3rd Floor Toronto Metropolitan University, 245 Church St, Toronto, ON M5B 1Z4

8:30 to 9:20

8:30 Registration and Breakfast

9:00 Opening Remarks

S1: Post-pandemic Freight Challenges and Opportunities— Public Sector Perspectives (Moderator: TBA)

9:20 to 10:20

Teresa Chan/John Barber (City of Mississauga): Mississauga Climate Change Action Plan (tentative title)

Patrick Byrne (MTO): Commercial Driver Training (tentative title)

Charissa Iogna (City of Toronto): City of Toronto's Micro Utility Devices Challenge (tentative title)

10:20 Break

S2: Post-pandemic Freight Challenges and Opportunities—Industries Perspectives (Moderator: Yoassry Elzohairy, MTO)

10:25 to 11:30

Ashley De Sousa (OWMA)

TBA

11:25 Break

S3: Smart Freight Research Updates (Moderator: Iain Tyrrell, Transport Canada)

11:30 to 11:55

Dr. Elkafi Hassini (McMaster)

Dr. Bilal Farooq (TMU)

Dr. Mathew Roorda (UofT)

Dr. Peter Park (York)

Lunch: 12 to 13

S4: Student Presentations (Moderator: TBA)

13:00 to 14:40

Shamik Pushkar (McMaster): Impact of legislative restrictions on drone delivery

Elahe Sherifat (TMU): Pedestrian Pose Estimation when Interacting with Autonomous Delivery Robots in Constrained Environments

Alia Galal (UofT): Improving Safety between Trucks, Cyclists and Pedestrians: An Interview Study

Artem Solovey (York): Pooling Passengers and Packages in Ride-sharing Services

Bahar D Viniche (York): Fleet Composition Optimization in Drone Enabled Deliveries

Tufayel Chowdhury (UofT): Modelling Impacts of Freight Autonomous Vehicles in the Greater Toronto and Hamilton Area

Farzan Moosavi (TMU): Matching Problem for Multimodal Autonomous Last-Mile Delivery

Ahana Malhotra (McMaster): How can Ride-hailing Platforms Balance the Quality of Customer Service and Driver Wage Fairness?

Coffee Break: 20 minutes

S5: Workshop on EDI in Freight (Moderator: Dr Hassini (McMaster))

15:00 to 17:00

Joshua Dhaness (York): EDI Challenges and Opportunities in Supply Chain Management

Emanuele Blasioli (McMaster): COVID-19 Vaccine Distribution: Equity is in the "eye of the modeller"

Armagan Ozbilge (McMaster): CrowdFeeding: Toward an Equitable and Smart Fresh Food Distribution System

Ahana Malhotra (McMaster) Equity in last mile deliveries: the case of on-foot porters

Panel Discussion