



# 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, 3<sup>rd</sup> Floor Toronto Metropolitan University, 245 Church St, Toronto, ON M5B 1Z4

### 8:30 to 9:20

8:30 Registration and Breakfast

#### Opening Remarks

9:00 Dr. Naomi Adelson, Associate Vice-President Research and Innovation, TMU

9:10 Dr. Elkafi Hassini, Chair Smart Freight Centre

9:15 Dale Lynch, Transport Canada

### **S1: Post-pandemic Freight Challenges and Opportunities— Public Sector Perspectives (Moderator: Bilal Farooq, TMU)**

#### 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 11:25

Yunfei Ma (Geotab Inc.): Telematics-based Freight Bottleneck Detection

Fardan Khan (Brampton Venture Zone): Challenges in the Mobility and Logistics sector and the Brampton Venture Zone

Tareq Alsaleh (ACTED): Humanitarian Logistics, Operations and Future Outlook

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11:25 Break

### **S3: Smart Freight Research Updates (Moderator: Dale Lynch, Transport Canada)**

**11:30 to 11:55**

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Dr. Elkafi Hassini (McMaster)

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Dr. Bilal Farooq (TMU)

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Dr. Mathew Roorda (UofT)

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Dr. Peter Park (York)

**Lunch: 12:00 to 13:00**

### **S4: Student Presentations (Moderator: Dr. Matthew Roorda, UofT)**

**13:00 to 14:40**

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

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

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

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

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

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

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

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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 & Dr. Mehdi Nourinejad, York)**

**15:00 to 16:00**

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: EDI Metrics**

**16:00 to 17:00**

**Dale Lynch** (Transportation Economic Analysis, Transport Canada)

**Taha Mirza** (Senior Manager, Walmart Canada)

**Michael Regis** (EDI Consultant)

**Dr. Bahar Tajrobehkar** (Diversity Program Manager, Payworks)