

Municipalities

- ✓ Education regarding regulation and orchestration of robotic fleets operating in shared, public, pedestrianized spaces
- ✓ Access to webinars, events and research materials
- ✓ Direct input into ISO 4448 as it is being drafted for automated passenger, and goods vehicles at the curb
- ✓ Direct input into ISO 4448 as it is being drafted for PMRs¹ such as delivery or maintenance robots
- ✓ Input to the developing PMR certification guidelines based on the ISO 4448 series
- ✓ Ongoing and beneficial access to these PMR guidelines as they mature

Robot Manufacturers

- ✓ For makers of robotic taxis, vans and PMRs ISO 4448 provides common machine behavioural and traffic standards to enable acceptance into operating fleets deployed in cities

Planners

- ✓ Municipal infrastructure planning for access, safety and machine volumes will be impacted by standards that describe behaviours, regulations, classes, volumes and roles of PMRs

Vulnerable Road Users

- ✓ Access the language and procedures to enable cities to constrain the times, places, speeds, pathways, and volumes of robots in shared public spaces
- ✓ Find the language needed to negotiate with municipal traffic departments and eventual orchestration systems to maximize access to, and safety within public, pedestrianized spaces
- ✓ Rely on the metrics and procedures required to specify pick up/drop off (PUDO) zones and wider sidewalks in those places where they may be currently inadequate to serve both accessibility and commercial needs

Urban Robotics Foundation is a not-for-profit Canadian Foundation

www.urbanroboticsfoundation.org
Bern Grush, Executive Director

Our work and membership are international

Logistics & Maintenance

- ✓ Operators of passenger, logistic and municipal service fleets (e.g., maintenance, security)
- ✓ Information related to governance and guidelines to make negotiating concurrent access to curbs, pavements, walkways, bikeways, laneways, etc. by multiple fleet operators feasible and safe

Membership Benefits

- ✓ Input to Draft ISO 4448
- ✓ Members-only site area
- ✓ Members-only meetings and services
- ✓ Members' webinars, training, documents
- ✓ Discounts for in-person events

Apply at www.urbanroboticsfoundation.org/contact

Member type	Examples	\$US annual fee*
Individual	Academic, Journalist, NGO, SME	500
Public	Government	1,000 population under 1 Million 3,000 population 1 to 4 Million 8,000 population over 4 million
Commercial	Manufacturers, planners, traffic systems, logistics	5,000
Sponsor	Logistics firms, automotive; planners/disruptors	25,000 (Mover) 10,000 (Shaker)

* Canadian Government fees in Canadian funds at par



Coordinating robotics policy across municipalities