

# PMR DISCOVERY WORKSHOP

**Public-area Mobile Robots (PMRs) may be coming soon to your city** (if they're not already being tested). **Now is the time to better understand the use cases, the opportunities and challenges to successful deployment, and how PMRs can improve liveability and accessibility in urban spaces.**

## THE CHALLENGE:

Are you looking at how new technologies like robots might be used in your facility/ies or in public spaces to improve operations, address labour shortages and enhance employee and customer satisfaction?



## WHO SHOULD ATTEND?

Sponsored by the Robotics Australia Group, this event is ideal for those in Asia/Pacific in any of the following roles:

- **Smart City Leaders**
- **Urban/Traffic Planners**
- **Municipal & Regional Regulators and Policy Makers**
- **Public Works Leaders**
- **Owners/Operators of Public Facilities**

## REGISTER TODAY!

**Fee: A\$ 150**

Promo code is available for members of Robotics Australia Group



## WORKSHOP on Zoom:

**Date: Wed, Sept 4, 2024**

**Time: 12noon to 1:30pm AEST**  
(optional Q&A until 2pm)

## LEARNING OBJECTIVES:

Led by Bern Grush, Executive Director of URF, this workshop is based on the 2024 Discovery Guide to PMRs:

- Examine the wide variety of Use Cases for public-area mobile robots (PMRs)
- Review the Opportunities and Challenges, Barriers and Risks associated with deployment
- Understand the 6 Governance Deployment Pillars and 5 Maturity Stages for adopting this new technology
- Get prepared to generate value while addressing the key challenges - ranging from licensing and insurance to public acceptance and certification.



## About URF

The Urban Robotics Foundation is a global, membership-supported non-profit founded in 2021 with headquarters in Toronto, Canada. Our goal is to help prepare cities and public facility operators for the arrival of public-area mobile robots (PMRs) by sharing best practices and building a global network of people focused on learning how PMRs can contribute to improved livability in urban ecosystems. We engage in ISO standards drafting, advisory work for our members, authoring guidebooks for deployment of public-area mobile robots, and developing educational support materials. The first edition of URF's Executive Guide to PMRs is now available as a free download from: <https://www.urbanroboticsfoundation.org/guidebooks>



## What is a PMR?

**Public-area Mobile Robots (PMRs)** are ground-based, automated mobile devices operating in spaces that may be shared with pedestrians, cyclists, wheelchair users and persons who are blind, deaf or may have other accessibility challenges. PMR use cases include last-mile/sidewalk delivery, property maintenance, safety/surveillance, follow-me, personal assistance, and more.

The defining characteristic for classifying a robot as a PMR isn't solely its human-scale size and speed compatible with active transportation, which is crucial for both safety and social comfort. Rather, it's the fact that PMRs operate in proximity to human bystanders without the immediate physical presence of a human operator.

PMRs represent a distinct category of mobile robots, set apart from the more common automated and industrial mobile robots due to the requirement for public governance and regulation related to deployment in public spaces - both indoors (e.g. shopping malls, hospitals, zoos, airports) and outdoors (e.g. sidewalks, pathways, road shoulders, etc.) The technology must be integrated into existing urban traffic systems including rules for intersections, crosswalks, traffic signals, and more.



### BERN GRUSH

Executive Director, URF

Author, consultant and speaker, Bern has over 30 years of experience writing national and international standards on a range of topics including parking, road pricing and autonomous vehicles. As a Systems Design Engineer with a degree in Human Factors Psychology, Bern is passionate about mobility innovation and ensuring that municipal decision-makers have access to best practices and key lessons from around the world.