



Workshop on Autonomous Delivery and Service Robots on Pedestrian and Cycle Paths - **Call for Papers**

19-20 May 2025, Schkeuditz (near Leipzig)

Workshop Overview

The increasing prevalence of autonomous systems is fundamentally reshaping urban environments and daily life. While autonomous vehicles receive considerable attention, the potential of delivery and service robots operating on pedestrian and cycling infrastructure is substantial, offering opportunities to enhance urban logistics and introduce innovative services. This workshop provides a platform for researchers, developers, and practitioners to present and discuss the latest research, advancements, and applications in this rapidly evolving domain.

Preceding the final meeting of the Ready-for-Smart-City-Robots project, which involved practical deployments in Schkeuditz, the workshop will examine emerging trends and include a robotics competition.

Workshop program

1st day (19.05.)	Overview presentation of the attending working groups and respective projects Joint <i>Ready for Robots</i> tour of the center of the city of Schkeuditz
2nd day (20.05.)	Keynote of relevant federal agency, package delivery provider or mFund (in preparation) Paper sessions Robot competition for automated delivery tasks / data aggregation missions (a separate call will be published shortly)
3rd day (21.05.)	Optional: Final presentation of the Ready-for-Smart-City Robots project founded by mFund

Target Audience

The workshop welcomes a diverse audience, including scientists, engineers, and students engaged in robotics and related fields, researchers from relevant projects, robot manufacturers, robot operators, and public administration experts involved in the regulation of autonomous delivery and service robots.

Fields of Interest

Technology	Sensors and perception systems Path planning and navigation Human-robot interaction Energy supply and range Safety and reliability
Legal framework	Licensing and operating permits, liability and insurance Standardization of robots

	Data protection
Social acceptance	Interaction with pedestrians and cyclists Impact on public spaces
	Design of pilot projects
Use cases	Delivery services (food, parcels) Services (e.g. cleaning, security) Medical applications

Instructions for Authors and Submission Process

We invite submissions of work-in-progress papers (maximum 6 pages, including references and appendices) that align with the workshop topics. Submissions should provide a clear and concise description of research, development, or projects. [EasyChair](#) will be used for submissions and reviews. In keeping with the workshop's collaborative nature, authors will be involved in the review process. Reviews will prioritize relevance to the workshop theme and the quality of the presentation.

A corresponding LaTeX “template” can be found under the following [link](#).

Important dates

Submission deadline for papers	18 April 2025
Notification of authors	5 May 2025
Workshop	19-20 May 2025

Additional information

Languages	The conference language is German or English. In the interest of enhancing “visibility”, work-in-progress papers should be written in English.
Publication	The referenced publication will be made via the portal of the Freiberg University Library. The paper can be accessed via the workshop collection's URN (Uniform Resource Name).
Participation fees	No participation fees will be charged.

We look forward to your contributions!

Organization

TU Bergakademie Freiberg	Georg Jäger, Thomas Schumann, Sebastian Zug
TU Hamburg	Marko Thiel, Hendrik Rose

Contact

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