

1st International Workshop on Industrial Applications of Robot Learning



CALL FOR PAPERS

1st International Workshop on Industrial Applications of Robot Learning

At IROS 2026 • Pittsburgh



Workshop



Submission

ABOUT THE WORKSHOP

Robot learning is rapidly moving from research labs into industry, driven by advances in imitation learning, reinforcement learning, large-scale simulation, and foundation models. This workshop will discuss the state of the art in industrial applications of robot learning, bringing together leading researchers from academia and industry to examine whether robot learning is ready to meet the standards of precision, reliability, safety, and robustness required in real-world industrial settings.

TOPICS OF INTEREST

- Industrial applications of robot learning
- Learning visual, force, tactile, and audio perception
- Learning dexterous manipulation
- Learning-based manipulation and long-horizon task execution
- Sim-to-real transfer and data-efficient learning
- Foundation models and generative AI for industrial robotics
- Human-robot collaboration and adaptive shared autonomy
- Benchmarking and evaluation of precision, reliability, and performance
- Safety, trustworthiness, and robustness in learning-enabled industrial robots

And more

INVITED SPEAKERS INCLUDE

- Rika Antonova (University of Cambridge)
- Jose Barreiros (TRI / Amazon Robotics)
- Yukiyasu Domae (AIST)
- Kensuke Harada (University of Osaka)
- Robert Katzschmann (ETH Zurich / Mimic Robotics)
- Roberto Martin-Martin (UT Austin / Amazon Robotics)
- Tetsuya Ogata (Waseda University)
- Máximo A. Roa (German Aerospace Center, DLR)
- Jing Xiao (Worcester Polytechnic Institute)
- Kris Hauser (University of Illinois at Urbana-Champaign, Samsung Research America)

ORGANIZERS

Floris Erich
(AIST)

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(AI Robot Association /
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Diego Romeres
(Amazon Industrial
Robotics Group)

Marina Y. Aoyama
(University of
Edinburgh)

SUBMISSION GUIDELINES

- ✓ Submissions should be 2–4 pages (not including references), following the IROS format.
- ✓ All accepted papers will be presented as posters.
- ✓ Selected research award candidates will give 8-minute talks.
- ✓ Submissions will undergo a single-blind peer review process via OpenReview.




IMPORTANT DATES

 Submission Deadline	2026/08/15
 Notification of Acceptance	2026/09/13
 Camera-Ready Deadline	2026/09/20
 Workshop Date	2026/09/27

SUBMISSION PORTAL

 OpenReview: openreview.net

AWARDS

 Best Paper	\$1000
 Best Student Paper	\$1000
 Best Poster Presentation	\$500



Workshop website:
<https://aistairc.github.io/IROS2026-workshop/>



Further details, updates, and submission information will be announced on the workshop website.