

# ARMS 2026

## Autonomous Robots and Multirobot Systems

Workshop at AAMAS 2026 • May 25, 2026 • Cyprus

**Presentation Format:** Each presentation is 15 minutes, followed by 5 minutes for questions.

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<b>Time</b>	<b>Title &amp; Authors</b>
8:45 - 8:55	<b>Intro</b>
8:55 - 9:15	<b>Decentralized Ergodic Coverage Control in Unknown Time-Varying Environments</b> <i>Maria G. Mendoza, Victoria Marie Tuck, Chinmay Maheshwari, S. Shankar Sastry</i>
9:15 - 9:35	<b>MonkeyBot: A Planning Domain for Adhesion-Free Multi-Limb Robotic Climbing</b> <i>Evgeny Mishlyakov, Mikhail Gruntov, Alexander Shleyfman and Erez Karpas</i>
9:35 - 9:55	<b>Multi-Agent Pickup and Delivery with Velocity</b> <i>Filippo Cipollone, Benedetta Flammini, Francesco Amigoni</i>
9:55 - 10:15	<b>Joint Search and Track of Hostile Drones through Multi-Agent Deep Reinforcement Learning</b> <i>Zeba Mohsin Wase, Katerina Papadaki, Panayiota Valianti, Panayiotis Kolios</i>
<b>10:15 - 11:00</b>	<b>Coffee Break</b>
11:00 - 11:20	<b>Robust Visual Planning under Partial Observability and Perceptual Uncertainty</b> <i>Guy Azran, Michael Navat, Sarah Keren</i>
11:20 - 11:40	<b>Intermittent Cooperation in Path Planning for Selfish Agents</b> <i>Itay Shedlezki, Noa Agmon</i>
11:40 - 12:00	<b>Modular Reinforcement Learning For Cooperative Swarms</b> <i>Erel Shtossel, Gal Kaminka</i>
12:00 - 12:20	<b>Seeing More by Seeing Less: The Hidden Power of Uninformed Robots</b> <i>Mohammad Nomaan Husain, Mohammad Salahshour, Andreagiovanni Reina</i>
<b>12:30 - 14:00</b>	<b>Lunch Break</b>
14:00 - 14:20	<b>Multi-Constrained Learning Robots under Full Signal Temporal Logic Specifications</b> <i>Davide Bergamasco, Alessandro Farinelli, Daniele Meli</i>
14:20 - 14:40	<b>Towards Verifiable Multi-Robot Missions: From Logical Specifications to Behavior Trees</b> <i>José-Luis Vilchis-Medina</i>

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<b>Time</b>	<b>Title &amp; Authors (<i>continued</i>)</b>
14:40 - 15:00	<b>More Views, More Problems? A Critical Analysis of Multi-View Aggregation for Agent Perception</b> <i>Federico Tavella, Amber Drinkwater, Angelo Cangelosi</i>
15:00 - 15:20	<b>Beyond Kalman Filtering: A Dual Quaternion Geometric Observer for Robust 6DoF Pose Estimation [Video Presentation]</b> <i>Ilya Afanasyev</i>
15:30 - 16:15	<b>Coffee Break</b>
16:15 - 16:35	<b>Blending ontologies and language models to generate sound and natural robot explanations</b> <i>Alberto Olivares-Alarcos, Muhammad Ahsan Fatwaddin Shodiq, Satrio Dwi Sanjaya, Hsien-I Lin, Guillem Alenyà</i>
16:35 - 16:55	<b>Trust in a Multi-Agent System: Using Natural Language Rules and a Policing Agent to Encourage Trustworthy Behavior</b> <i>Cory Koster, Maria Gini</i>
16:55 - 17:15	<b>Exploring the Influence of Interaction with Embodied Autonomous Agents on Community Imaginaries of Robot Futures</b> <i>Razanne Abu-Aisheh, Marisela Gutierrez Lopez, Laurene Cheilan, Marcela Munera, Helen Manchester, Sabine Hauert</i>

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For more information, visit the official ARMS 2026 website.