

RoMoCo^{'27}

14th International Workshop on
Robot Motion and Control



June 30 – July 2, 2027



Poznan University of Technology
Poznań, Poland



romoco.put.poznan.pl



SCOPE OF THE WORKSHOP

includes but is not limited to:

- Control design for nonholonomic and underactuated robots
- Optimal and constrained control design for robotic systems
- Multi-robot systems: networked control, collision avoidance, synchronization
- Motion planning for robots and robotic systems
- Control, planning, and sensing issues in teleoperation/telem Manipulation
- Localization and perception for robots and autonomous systems
- Modeling and data-based identification of robotic systems
- Machine and robot-learning methods in motion planning and control
- Robust and adaptive autonomous systems under uncertainty
- Control system architectures in robotics
- Safety issues of robotic systems
- Human-robot cooperative systems
- Robotic cars and autonomous vehicles
- Sensors, devices and tools for robots
- Applications of robotics (agriculture, space, underwater, air, medicine, civil engineering and services, manufacturing, etc.)
- Social, educational, and economic aspects of robotics



IMPORTANT DATES



Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.



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