5th MIPRO Robotics Conference

University of Zadar, Croatia

From ICT Foundations to Intelligent Economies

mipro ROBOTICS 2026

HYBRID EVENT

September 9 - 12, 2026

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IMPORTANT DATES

Abstract submission
June 15, 2026

Full-paper submission
August 3, 2026

Acceptance notification
August 17, 2026

Camera ready submission
August 24, 2026

Instructions for paper preparation can be found on **www.mipro.hr**

CALL FOR PAPERS

RTA

CONFERENCE ON

ROBOTICS TECHNOLOGIES AND APPLICATIONS (RTA)

There is a growing trend in **autonomous robotics research**, driven by advances in **machine learning, computer vision**, and the expansion of robotics into new domains such as **medicine, healthcare, agriculture, and transportation**. Core **AI concepts** are now integral to subfields like **navigation, control, motion planning, manipulation**, and **environment perception**, making this an exciting era for the robotics community.

As technology accelerates, industries seek to **reduce manual labor** by adopting **intelligent, autonomous robots** powered by novel AI methods. Two key foundations of such systems are **reasoning** and **learning** - reasoning involves processing sensory data and knowledge to achieve goals, while learning enables faster and more accurate decisions based on experience. When combined, these paradigms create **flexible and adaptive robotic solutions**.

The RTA section serves as a platform for **professionals, researchers, and students** to share insights and discuss the latest developments in **intelligent and autonomous robotics** and their applications across diverse fields.

Target Audience:

- Automation and Robotics Lab Directors/Associates
- Head of the Departments from the field of Artificial intelligence, Robotics, Mechatronics, Control systems
- Artificial intelligence researchers and academicians
- PhD students in Robotics and Mechatronics
- Professors and Students from Academia in the study of intelligent and autonomous robotics and artificial intelligence field
- Artificial Intelligence Lab Directors/Associates

Topics:

- Robotics
- Human-robot Interaction
- Industrial Applications of Robots
- Bioengineering and Biomechanics
- Novel Robot Applications
- Robotics and Mechatronics
- Robot Manipulators
- Artificial Intelligence in Robotics
- Medical and Healthcare Robotics
- Multi-robot System
- Remote and Telerobotics
- Robot Localisation and Navigation
- Mobile Robotics
- Humanoid Robots
- Robot Learning
- Aerial Robotics and UAV
- Additive Technologies in Robotics
- Intelligent Autonomous Systems and Robots
- Marine Robotics (USV, UUV)
- Maritime Autonomous Surface Ships
- Mechatronic and Robotic Systems in Agriculture and Aquaculture
- Mechatronic and Robotic Systems in Underwater Archaeology
- Decision Support Systems for Mechatronics and Robotics
- Robot Vision and Image Processing

As an addition to the conference, **presentations** of products and services are welcome within MIPRO's exhibition area.

Official languages are English and Croatian.

Technical co-sponsorship:

IEEE Region 8 · IEEE Croatia Section · IEEE Education Society · IEEE Robotics & Automation Society · IEEE Signal Processing Society

ORGANIZERS: mipro · University of Zadar

RTA DRONES

REGISTRATION / FEES

EARLY BIRD up to September 1, 2026	REGULAR from September 2, 2026
Members of MIPRO and IEEE	
315 EUR	360 EUR
Students (undergraduate and graduate)	
175 EUR	200 EUR
Others	
350 EUR	400 EUR

! In order to have your paper published, it is required that you pay at least one registration fee for each paper.

Authors of 2 or more papers are entitled to a 10% discount.

MORE INFO

For all future information please visit **www.mipro.hr** or contact directly RTA Chairman:

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DRONES FOR SAFETY AND PURPOSE

Special Session

In an era of accelerated technological progress and growing global challenges, drones are becoming essential tools and systems for ensuring safety, monitoring the environment, and enabling effective responses to crisis situations.

From civil protection and environmental logistics to precise mapping and the supervision of critical infrastructure, drone technology is transcending the boundaries of its traditional applications.

Within the RTA conference, **MIPRO** is launching a **special session dedicated to a multidisciplinary approach to drones** - as systems of technological utility and strategic importance in modern society, especially in the context of the emerging geopolitical landscape.

The aim of this session is to bring together **researchers, engineers, manufacturers, and policymakers** to foster innovation, standardization, and responsible use of unmanned systems in the framework of **security, ethics, and geopolitics of the 21st century**.

Special Session Topics:

- Autonomous and Cooperative Drone Systems
- Drones in Civil Protection and Disaster Management
- Environmental Monitoring and Sustainability
- Infrastructure Inspection and Maintenance
- AI and Sensor Fusion in Drone Systems
- Cybersecurity and Data Governance for UAV Networks
- Standardization and Regulation Frameworks
- Humanitarian and Medical Drone Applications
- Drones in Defense and Geopolitical Contexts
- Economic and Industrial Ecosystems of Drone Technology
- Heterogeneous Aerial-Ground Robotic Systems

Unique Event to Remember

Robot-Nautic Event

SAILING EVENT IN THE ZADAR ARCHIPELAGO

September 12, 2026

As a highlight of the conference's social-commercial program, the Sailing Event will unite **academic leaders and industry representatives** in an inspiring environment designed to encourage dialogue, collaboration, and innovation.

Set in the stunning landscape of the Zadar archipelago, the event will feature sailing activities, structured networking, and curated presentations, including live demonstrations from both research and business communities.

Participants interested in joining this exclusive experience are invited to register through the **online application form (Google Form)** https://forms.gle/6boZJs77NqPwh1fE9.

ZADAR

About Location

Zadar, one of the oldest cities on the Adriatic, blends ancient heritage with modern life. Its Roman forum, medieval churches, Venetian fortifications, and iconic Sea Organ attract visitors worldwide. Surrounded by islands and national parks, it offers stunning sunsets and rich cultural experiences.

With top hotels, gastronomy, and festivals, Zadar unites history, innovation, and Mediterranean charm. Today, it is also an emerging hub for congresses, technology, and sustainable development in Southeastern Europe.

For more details, please visit https://zadar.travel/.

NOTICE

All submitted papers will be reviewed promptly in near real time, leveraging blockchain technology to ensure transparency and integrity.

The papers will be further processed and evaluated using advanced AI/LLM systems within a multi-layer, competitive evaluation framework.

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