mipro 2024

HYBRID CONVENTION

47th ICT and Electronics Convention MIPRO

Grand Hotel Adriatic Congress Centre & Hotel Admiral, Opatija, Croatia

Artificial Intelligence towards EU Multilingualism

May 20 - 24, 2024

CALL FOR PAPERS

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IMPORTANT DATES

Abstract submission
December 11, 2023

Full-paper submission
January 29, 2024

Acceptance notification
March 11, 2024

Camera ready submission
March 25, 2024

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

Accepted papers in English presented at the conference will be submitted for inclusion in the IEEE Xplore Digital Library.

TECHNICAL CO-SPONSORSHIP

IEEE Region 8

IEEE CROATIA SECTION

CONFERENCE ON

ROBOTICS TECHNOLOGIES AND APPLICATIONS (RTA)

There has been a growing trend in autonomous robotics research through incorporating ideas from machine learning, computer vision but also in the application of robotics in new fields and domains of application such as medicine and healthcare. Core ideas from the field of artificial intelligence are being actively applied in a variety of subfields of robotics such as localization and navigation, control, task and motion planning, robotic manipulation, robot environment perception, and many others. It is a very exciting time and place to be in and to be part of the robotics community.

Due to the intensified technology development around the world, industries are trying to reduce manpower while incorporating novel AI methods and intelligent and autonomous robots. The two main prerequisites for developing intelligent and autonomous robots is reasoning and learning. Reasoning, in the context of robotics, deals with continuous computation given the sensory data, past knowledge, and anticipated information in order to fulfill an objective or task. Learning, on the other hand, deals with leveraging past experiences to make fast and more accurate decisions without necessarily looking into the future. The paradigms of reasoning and learning can be combined in creative ways to solve problems within the robotics domain in a better and more flexible way.

The RTA section aims to provide a forum for discussion among professionals, industrialists, students, and researchers in the field of robotics and autonomous systems to share their research experiences and indulge in interactive discussions at the event. The focus will be oriented on intelligent and autonomous robots and their application in various fields ranging from industry to medicine.

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
- Robotics doctorates
- 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 Localization and Navigation
- Mobile Robotics
- Humanoid Robots
- Robot Learning
- Aerial Robotics and UAV
- Additive Technologies in Robotics
- Intelligent Autonomous Systems and Robots

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

Official languages are English and Croatian.

Please forward to your colleagues

Submit your paper for the conference RTA which will be held at the 47th ICT and Electronics Convention MIPRO 2024.

REGISTRATION / FEES

	EARLY BIRD _up to May 6, 2024_	REGULAR _from May 7, 2024_
Members of MIPRO and IEEE		
	243 EUR	270 EUR
Students _(undergraduate and graduate)_		
	130 EUR	150 EUR
Others		
	270 EUR	300 EUR

MORE INFO

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

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ABOUT LOCATION

Opatija is the leading seaside resort of the Eastern Adriatic and one of the most famous tourist destinations on the Mediterranean. With its aristocratic architecture and style, Opatija has been attracting artists, kings, politicians, scientists, sportsmen, as well as business people, bankers and managers for more than 170 years.

The tourist offer in Opatija includes a vast number of hotels, excellent restaurants, entertainment venues, art festivals, superb modern and classical music concerts, beaches and swimming pools – this city satisfies all wishes and demands.

Opatija, the Queen of the Adriatic, is also one of the most prominent congress cities in the Mediterranean, particularly important for its ICT conventions, one of which is MIPRO, which has been held in Opatija since 1979, and attracts more than a thousand participants from over forty countries. These conventions promote Opatija as one of the most desirable technological, business, educational and scientific centers in South-eastern Europe and the European Union in general.

For more details, please visit www.opatija.hr and visitopatija.com.

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