

The 33th International Conference on Robotics in Alpe-Adria-Danube Region

June 5-7, 2024, Cluj-Napoca, Romania

CALL FOR PAPERS

General Chair

Doina Pisla, Technical University of Cluj-Napoca, Romania

Co-chair

Giuseppe Carbone, University of Calabria, Italy

Daniel Condurache, "Gheorghe Asachi" Technical University of Iasi, Romania

Calin Vaida, Technical University of Cluj-Napoca, Romania

International Scientific Committee (RAAD ISC)

Nikos A. Aspragathos, Univ. of Patras, Greece

Karsten Berns, Univ. of Kaiserslautern, Germany

Theodor Borangiu, Polytech. Univ. of Bucharest, Romania

Mathias Brandstötter, Joanneum Research Robotics, Klagenfurt, Austria

Ivana Budinská, Slovak Acad. of Sciences, Bratislava, Slovakia

Giuseppe Carbone, Univ. of Calabria, Italy

Karol Dobrovodský, Slovak Acad. of Sciences, Bratislava, Slovakia

Carlo Ferraresi, Polytech. of Turin, Italy

Alessandro Gasparetto, Univ. of Udine, Italy

Nick Andrei Ivanescu, Polytech. Univ. of Bucharest, Romania (ISC Deputy Chair)

Kosta Jovanović, University of Belgrade, Serbia

Roman Kamnik, Univ. of Ljubljana, Slovenia

Gernot Kronreif, ACMIT GmbH, Wiener Neustadt, Austria

Med Amine Laribi, Univ. of Poitiers, France

Andreas Müller, Johannes Kepler Univ., Linz, Austria (ISC Chair)

Tadej Petrič, Jožef Stefan Institute, Ljubljana, Slovenia

Ivan Petrović, Univ. of Zagreb, Croatia

Doina Pislă, Technical University of Cluj-Napoca, Romania

Aleksandar Rodić, Institute Mihailo Pupin, Belgrade, Serbia

Marko Švaco, University of Zagreb, Croatia

József K. Tar, Óbuda Univ., Budapest, Hungary

Said Zeghloul, Univ. of Poitiers, France

Leon Žlajpah, Jožef Stefan Institute, Ljubljana, Slovenia

Local Organising Committee

Bogdan Gherman, **Paul Tucan**, **Adrian Pisla**, **Tiberiu Antal**, **Ovidiu Detesan**, **Daniela Jucan**, **Iosif Birliescu**

With the support of the Romania IFToMM National Committee

Mircea Neagoe, **Doina Pisla**, **Ioan Doroftei**, **Erwin-Christian Lovasz**, **Alexandru Rus**

Venue: The Conference will be held at the Technical University of Cluj-Napoca. Cluj-Napoca is a university city located in north-west of Romania and easily accessible from all European countries by plane, train, or car.

Social programs for delegates will be organized. Programs for accompanying persons and excursions to the surrounding area after the conference can be organized upon request.

Important Dates

Proposal for Special Session: September 29, 2023

Full paper submission: December 20, 2023

Notification of acceptance: February 9, 2024

Final paper submission: February 16, 2024

Early Registration: April 5, 2024

RAAD2024: The 33rd International Conference on Robotics in Alpe-Adria-Danube Region, RAAD2024, will be held **June 5-7, 2024**, in Cluj-Napoca, Romania.

The conference will bring together academic and industrial robotics researchers from the member countries of the Alpe-Adria-Danube region and their global partners in a collegial and stimulating environment.

As is tradition, RAAD2024 will cover all major areas of research, development and innovation in robotics, including new research trends such as: bioinspired and cognitive robots, visual servo control of robotic motions, human-robot interaction, cloud robotics and personal robots for ambient assisted living.

Topics: Papers are solicited on topics related to new theories, advanced design of robot mechanics and control architectures, and development of intelligent robot applications, including but not limited to:

- Novel design and applications of robotic systems.
- Dexterous grasping, handling, and intelligent manipulation.
- Intelligent collaborative robots and service robots.
- Advanced robot control
- Human-robot interfaces
- Robot vision systems and visual servoing techniques
- Mobile robots
- Humanoid and walking robots
- Bioinspired and swarm robot systems
- Micro- and nanoscale robots
- Aerial, underwater and space robots
- Integration of robots in holonic manufacturing
- Personal robots for ambient assisted living
- Medical robots and bionic prosthetics
- Intelligent information technologies for cognitive robots
- Education in robotics
- History of automation and robotics
- Cognitive robots and emotional intelligence
- Cloud robotics
- Ethical, legal and social issues in robotics

Contributed Papers: Authors are kindly asked to submit original (not published or being considered for publication elsewhere) full papers with recommended length of 8 pages in Springer format. Instructions can be found on the conference website.

All accepted and presented papers will be published in a Scopus indexed book in Springer Series Mechanism and Machine Science entitled: *Advances in Service and Industrial Robotics: Proceedings of the 33rd Conference on Robotics in Alpe-Adria-Danube Region, RAAD2024*.

Awards: Three papers will be awarded in the following categories: Research, Applications, and Students.

Special Sessions: The RAAD2024 conference encourages the organization of special sessions. Each Special Session should address a specific topic in the field of robotics.