

June 14-16, 2023, Bled, Slovenia

## CALL FOR PAPERS

### General Chair

**Tadej Petrič**, Jožef Stefan Institute, Ljubljana, Slovenia

### Co-chair

**Leon Žlajpah**, Jožef Stefan Institute, Ljubljana, Slovenia

### 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  
**Guiseppa 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 Pîsla**, Technical Univ. of Cluj-Napoca, Romania  
**Aleksandar Rodić**, Institute Mihailo Pupin, Belgrade, Serbia  
**József K. Tar**, Óbuda Univ., Budapest, Hungary  
**Said Zeghloul**, Univ. of Poitiers, France  
**Leon Žlajpah**, Jožef Stefan Institute, Ljubljana, Slovenia

### Local Arrangement Chair

**I. Kovač**, **A. Gams**, **T. Breclj**, **M. Deniša**, *Jožef Stefan Institute, Slovenia*

### Secretary General

**P. Movh**, **T. Dragojević**, *Jožef Stefan Institute, Slovenia*

**Venue:** The conference will be held at Hotel Rikli Balance in the idyllic Alpine town of Bled, Slovenia. Bled is easily accessible from Ljubljana Airport, which has excellent connections to all major European hubs.

**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 30, 2022**
- Full paper submission: **January 20, 2023**
- Notification of acceptance: **February 24, 2023**
- Final paper submission: **March 3, 2023**
- Early Registration: **April 28, 2023**

**RAAD2023: The 32<sup>nd</sup> International Conference on Robotics in Alpe-Adria-Danube Region, RAAD2023**, will be held **June 14-16, 2023**, at the Rikli Balance Hotel in Bled, Slovenia. 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, RAAD 2023 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.

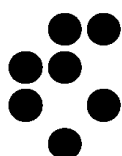
**Topics:** Papers are solicited on topics related to new theories, advanced design of robot mechanics and control architectures, and development of intelligent robot applications, including but not limited to:

- 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 -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 titled: Advances in Service and Industrial Robotics: Proceedings of the 32st Conference on Robotics in Alpe-Adria-Danube Region, RAAD2023.

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

**Special Sessions:** The RAAD2023 conference encourages the organization of special sessions. Each Special Session should address a specific topic in the field of robotics.



**Jožef Stefan Institute**  
Ljubljana, Slovenia

**E1 / Department of Automatics,  
Biocybernetics and Robotics**