

16 OCTOBER 2024

# CHALLENGES AND OPPORTUNITIES FOR SLOVENIAN ROBOTICS

HOTEL FOUR POINTS BY SHERATON LJUBLJANA, MONS



KINDLY INVITED TO THE EVENT

# CHALLENGES AND OPPORTUNITIES FOR SLOVENIAN ROBOTICS

Hotel Four Points by Sheraton Ljubljana Mons,  
16.10.2024 at 8.00

We invite you to an international event on the latest trends and applications in robotics, where leading domestic and international experts will present key research achievements and innovations for industrial needs. You will learn how robotic technologies are impacting areas such as industry, medicine, pharmaceuticals, and construction, and how they can enhance the efficiency of your business. The event is also an excellent opportunity for networking and discovering new business opportunities. Don't miss this glimpse into the future of robotics!

The event will be held in English.

*The event is free of charge,  
but prior registration is required*

**REGISTRATION**



Contact: [ctop@ijs.si](mailto:ctop@ijs.si)

[www.ctop.ijs.si](http://www.ctop.ijs.si)



## PROGRAMME

8:00 Registration

9:00 Opening

Dr. Matjaž Mihelj, President of the Robotics Association of Slovenia

Dr. Igor Papič, Minister of Higher Education, Science and Innovation

H.E. Akiko Yoshida, Ambassador of Japan to Slovenia

Dr. Thibault Jongen, Director of AI, Data and Robotics Association ADRA

Dr. Igor Kovač, Director of SRIP Factories of the Future and member of the EIT Manufacturing CLC East advisory board

### Robotics technologies

9:20 Jan Praprotnik (RLS d.o.o.), Trends in Next Generation Robotic Components

9:35 Dr. Jure Skvarč (SICK d.o.o.), Enhancing Robot Perception with Artificial Intelligence

9:50 Andrej Pangerčič (I.H.S. d.o.o.), Cutting-Edge Challenges in Autonomous Mobile Robotics

10:05 Discussion

### Robotics in unstructured environments

10:15 Martin Gutmann (Baumit GmbH), Exploring the Potential of Robotics in Construction

10:30 Dr. Rene Mihalič (Ortopedska bolnišnica Valdoltra), Opportunities and Challenges in Medical Robotics

10:45 Sergej Krajnc (Termodron d.o.o.), Overcoming Barriers to Adoption in Agricultural Robotics

11:00 Discussion

11:10 *Coffee break*

### State-of-the-art robotics solutions for industrial environments

11:35 Tanja Mohorič (GIZ-ACS, Slovenski avtomobilski grozd), Automotive cluster of Slovenia), Innovative Use Cases for Industrial Robotics

11:50 Dr. Miha Kastelic (Novartis d.o.o.), Emerging Applications for Pharma Robotics

12:05 Dr. Hubert Kosler (YASKAWA Europe Robotics d.o.o.), Innovations and Future Directions in Industrial Robotics

12:20 Discussion

### Beyond state-of-the-art robotics

12:30 Dr. Mihael Simonič (IJS), Adaptive Robotics for Recycling Electronic Products

12:40 Dr. Aleš Zore (UL FE), Time-of-Flight Sensors for Safety of Collaborative Robots

12:50 Dr. Miha Pipan (UL FS), Integrating Industrial Robots Into a 5G Network: Challenges and Opportunities

13:00 Dr. Aleš Hacı (UM FER), Flexible Collaborative Robot Cell for Surface Machining of Tools

13:10 dr. Robert Ojsteršek (UM FS), Man & Machine: Elevating Production through Smart Collaboration

13:20 Dr. Janez Povh (Rudolfovo), Upgrading the Laboratory for Factories of the Future at Rudolfovo

### Opportunities for Slovenian robotics

13:30 Dr. Thibault Jongen, Director of AI, Data and Robotics Association ADRA, Robotizing Touch Labor in Manufacturing: Challenges and Opportunities for Europe's Industrial Future

13:45 Matevž Frangež (MGTŠ), Strategic Technologies for Europe Platform (STEP)

14:00 *Lunch and networking*

15:30 *Meeting of the Slovenian robotics association (for members and future members of the association)*

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