

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

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. Thibauld Jongen, Director of AI, Data and Robotics Association ADRA
 - Dr. Igor Kovač, Director of SRIP Factories of the Future

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 Eduard Artnar (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 Hace (UM FER), Flexible Collaborative Robot Cell for Surface Machining of Tools
- 13:10 Aljaž Javernik (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. Thibauld 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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