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ISTCRAI

JUNE 17-18, 2027

PRAQUE

CZECH REPUBLIC

11th International Conference on

Robotics, and Artificial Intelligence

June 17-18, 2027 | Prague, Czech Republic
E: robotics-2027@inovscitechconferences.com

<https://inovscitechconferences.com/2027/prague/robartInt/>

About Inov SciTech

InovSciTech is a conference, meetings, seminars, and workshops organizer which is focused on Clinical, Medical, Life Sciences, Engineering, and Technology. We promote the latest research, developments, and issues in the scientific community. It provides a platform for leading academic scientists, researchers, and research scholars to exchange and share their experiences and research results.

InovSciTech aims to support research brilliance through networking platforms and its mission is to encourage global communication, and collaboration, promote professional interaction and lifelong learning; recognize outstanding contributions of individuals and organizations. We believe in Inclusiveness and affirmative actions.

Who We Are

InovSciTech is specialized in organizing scientific conferences, meetings, and workshops internationally, to encourage networking and knowledge sharing, building and strengthening, discussing and demonstrating the technology by scientists, dynamic professors, ardent academicians, intellectual scholars, leaders, and research fellows.

What We Do

InovSciTech is involved in vitalizing and refining the knowledge of Science, Engineering & Technology to analyze the past, investigate the present and formulate a new form of applied science in the future. We provide the best content, an excellent delegate experience, exceptional networking opportunities with equally passionate professionals, and a great association to be in touch with people personally.

Mission

InovSciTech aim to create an ideal platform by promoting research by connecting scientists and researchers within and across disciplines at conferences and workshops that create an environment for information exchange, and the generation of new ideas and technologies in Science and technology.

Welcome Message!

The 11th International Conference on Robotics and Artificial Intelligence will take place from June 17–18, 2027, in the historic city of Prague, Czech Republic. This premier event serves as a vital global platform for researchers, engineers, academics, and industry leaders to share groundbreaking advancements in automation and intelligent systems. Over two days, attendees will explore the powerful synergy between robotics hardware and AI software.

The ISTCRAI 2027 conference agenda features high-level keynote presentations, technical sessions, and interactive panel discussions. Core topics include autonomous vehicles, human-robot collaboration, machine learning, computer vision, and the ethical implications of AI. Participants will gain first-hand insights into how these technologies are transforming industries like healthcare, manufacturing, logistics, and aerospace.

Prague provides an inspiring backdrop for this forward-looking event. Known for its rich scientific history and rapidly growing tech ecosystem, the city offers the perfect environment for networking. Attendees will have numerous opportunities to forge international collaborations, exchange innovative ideas, and build lasting professional networks with peers from around the world.

Whether you are looking to present peer-reviewed research, discover the latest commercial robotics applications, or connect with leading experts, this conference offers unparalleled value. Join global visionaries in Prague to help shape the future of robotics and artificial intelligence

Scientific Sessions

- * Swarm Robotics in Large-Scale Search and Rescue
- * Maritime Automation and Underwater Robotic Exploration
- * Natural Language Processing for Intuitive Human Robot Dialogues
- * Soft Robotics: Materials for Safe Physical HRI
- * Gesture Recognition and Intent Prediction Models
- * Real-Time 3D Object Detection and Tracking
- * Multimodal Sensor Fusion for Complex Environments
- * Smart Warehousing: Coordinating Fleet Operations with AI
- * Adaptive Robotic Grippers for Diverse Object Handling
- * Automated Quality Control Using Machine Vision
- * Exoskeletons and Biomechatronics for Rehabilitation
- * Micro-Robotics for Targeted Drug Delivery
- * Explainable AI (XAI) in Safety-Critical Robotics
- * Regulating AI: Legal Liability in Robotic Mishaps
- * The Future of Work: Mitigating Economic Displacement
- * Next-Generation Path Planning for Autonomous Vehicles
- * Deep Reinforcement Learning for UAV Navigation
- * Localization and Mapping in GPS-Denied Environments
- * Socially Assistive Robots in Elder Care Facilities
- * Cognitive Architectures for Shared Autonomy
- * Transformers and Generative AI in Robot Vision
- * Edge AI: Deploying Deep Models on Low-Power Hardware
- * Self-Supervised Learning for Robotic Manipulation
- * Digital Twins for Predictive Maintenance in Manufacturing
- * Cobots: Optimizing Human-Robot Assembly Lines
- * AI-Driven Precision in Robot-Assisted Surgery
- * Autonomous Disinfection and Logistics in Hospitals
- * Synthetic Data Generation for Medical Imaging AI
- * Global Standards for Autonomous Weapon Systems Ethics
- * Mitigating Algorithmic Bias in Autonomous Hiring Systems

Meeting Agenda

June 17, 2027

08:00 - 09:00 Registrations
09:00 - 09:30 Opening Ceremony and Introduction
09:30 - 10:10 Keynote Speech -A
10:10 - 10:30 Refreshments
10:30 - 12:00 Keynote Speech -B
12:00 - 13:00 Speaker Session -A
13:00 - 13:50 Lunch
13:50 - 15:00 Speaker Session -B
15:00 - 15:20 Coffee Break
15:20 - 18:00 Speaker Session -C

June 18, 2027

09:00 - 09:30 Opening Ceremony and Introduction
09:30 - 10:10 Keynote Speech -A
10:10 - 10:30 Refreshments
10:30 - 12:00 Keynote Speech -B
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15:20 - 18:00 Speaker Session -C

For More Details:

Contact: +91 91825 02407

Email: robotics-2027@inovscitechconferences.com

Conference website: <https://inovscitechconferences.com/2027/prague/robartInt/>

Conference Sessions: <https://inovscitechconferences.com/2027/prague/robartInt/topics>

Abstract Submission Link: <https://inovscitechconferences.com/2027/prague/robartInt/abstract-submission>

Registration Link: <https://inovscitechconferences.com/2027/prague/robartInt/registration>