5th INTERNATIONAL CONFERENCE ON

ROBOTICS, INTELLIGENT AUTOMATION AND CONTROL TECHNOLOGIES

(RIACT 2025)

Theme: Embodied AI, Sustainability, Human Centered Robotics and Automation Systems

Dec 10-12, 2025

In Association with

THEMES OF RIACT 2025

- ➢ **Robot Design, Control & Communications**
- ➢ **Mobile & Autonomous Robots**
- ➢ **Embodied AI**
- ➢ **Human Centered Systems**
- ➢ **Robust & Adaptive Control Systems**
- ➢ **Automation in Life Sciences**

CALL FOR ORIGINAL RESEARCH WORK IN KEY TOPICS (BUT ARE NOT LIMITED TO) RELATED TO RIACT 2025

• **Robot Design, Development & Control**	• **Intelligent Automation Systems**	• **AI in Robotics**
• **Modelling & Simulation**	• **Intelligent Transportation**	• **Industrial IoT**
• **Kinematics & Dynamics**	• **Intelligent Fault Detection and Diagnosis**	• **Deep learning in Robotics**
• **Robotic Perception**	• **Intelligent Components for Control**	• **Cognitive Automation**
• **Mobile & Autonomous Robots**	• **Industrial Networks and Automation**	• **Biologically inspired Control systems**
• **Rehabilitation Robots &Devices**	• **Control and adaptation Techniques**	• **SLAM**
• **Humanoid & Smart Robots**	• **Automation in Life Sciences**	• **ROS**
• **Military Robots**	• **Robust/Adaptive Control of Robotic System**	• **Image Processing & Vision Systems**
• **Service & Medical Robots**	• **Optimization and Optimal Control**	• **Human-Machine Interface**
• **Agricultural Robots**	• **Motion Planning and Control**	• **Actuators & Sensors**
• **Space & Underwater Robots**	• **Cognitive Control Architectures, Compliance and Impedance Control**	• **Computer and microprocessor-based control**
• **Collaborative Robots**	• **Control and Supervision Systems**	• **CAD/CAM/CAE**
• **Micro/Nano Robotics**	• **Vehicle Control Applications**	• **Mechatronic Systems**