



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

**4<sup>th</sup> INTERNATIONAL CONFERENCE**

**ON**

**ROBOTICS, INTELLIGENT  
AUTOMATION AND CONTROL  
TECHNOLOGIES  
(RIACT 2023)**

**Theme: AI & Intelligent control techniques in  
Robotics and Automation**

**Oct 20-22, 2023**

**In Association with**



**Hochschule Bochum  
Bochum University  
of Applied Sciences**



## THEMES OF RIACT 2023

- Robot Design, Control & Communications
- Mobile & Autonomous Robots
- Intelligent Automation Systems
- Industry Internet of Things
- Robust & Adaptive Control Systems
- Automation in Life Sciences

## **CALL FOR ORIGINAL RESEARCH WORK IN KEY TOPICS (BUT ARE NOT LIMITED TO) RELATED TO RIACT 2023**

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

