VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

4th INTERNATIONAL CONFERENCE

ON

ROBOTICS, INTELLIGENT AUTOMATION AND CONTROL TECHNOLOGIES

(RIACT 2023)

Theme: AI & Intelligent control techniques in Robotics and Automation

Oct 27-29, 2023

In Association with

Teesside University

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

• **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**