



**4th International Conference on Information Systems and Management
Science (ISMS 2021), December 14-15, 2021**

<http://isms2021.iaasse.org//>

Jointly Organized by

**The faculty of ICT, University of Malta, Msida, Malta
Department of Computer Science and Engineering, National Institute of
Technology Raipur, India**



1. Title of the Special Session: **Computational Intelligence strategies for Robotics and Industrial Applications**
2. Details of Session Chair and Co-Chair:
 - a) Session Chair: Dr. Brijesh Patel, Associate Professor and Head, Department of Aeronautical Engineering, MATS University, Raipur (C.G.)
 - b) Session Co-Chair: Dr. B.K. Patle, Associate Professor, Department of Mechanical Engineering, MIT-ADT University, Pune (MH)
3. Aims & Scope (Theme of Session) :

This Special Session Includes the dissemination of recent discoveries with novel technologies through advance developments in the field of robotics and industrial applications. This session provides the platform for all robotics topics from the fundamental to technological advancement both theoretical and experimental. It also includes various industrial application like industrial manufacturing, automation in automobiles, space vehicles, intelligent biomedical systems, data-storage devices, advance home appliances, and intelligent systems etc.
4. Subtopics: Topics include (but are not limited to) following:
 - Advance actuators and sensors
 - Social Robotics
 - Computing, Communication and Control
 - Design Modelling and Prototyping
 - Human and Robotics Interaction
 - Design, Modelling and Prototyping
 - Intelligent autonomous systems
 - Multi-sensors fusion and perception
 - Planning, navigation and localisation
 - Bio-mechatronics
 - Swarm robotics
 - Novel and emerging application in industrial robotics
 - Service, social and entertainment robotics
 - Space and underwater robotics
 - Intelligent manufacturing
 - Health care, medical and assistive robotics

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