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#### Registration Fee Details

Registration fee refer the following link:  
<http://www.icacrs.com/registration.html>

#### Submission Guidelines

Send full manuscript via email:  
[icacrs.conf@gmail.com](mailto:icacrs.conf@gmail.com)

#### Publication

All accepted and presented papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

### About the Conference

Many computational intelligence and learning methods, such as expert systems, neural networks, genetic algorithms and so on have found success in a variety of control and automation fields. Intelligent Control, which differs from conventional approaches is based on methodologies derived from Artificial Intelligence [AI] and soft computing techniques is capable of dealing with problems in diverse computational and communication domains and, more recently, those related to renewable energy and mobile autonomous systems, where conventional methods were unsuccessful. Nevertheless, new technologies such as artificial intelligence, edge computing, and the Internet of Things have led to an unprecedented development of control and intelligent systems. The theme of ICACRS 2022 is "Intelligent Computational Methods, Automation and Emerging trends in renewable energy". This International Conference on Automation, Computing and Renewable Systems [ICACRS 2022] is devoted to intelligent systems that improve the control of nonlinear systems and its applications and also the novel contributions in all aspects of automation and renewable systems. This conference will provide a knowledge-building and experience-sharing platform for professionals from the industry, academia and research organizations.

#### About - Mount Zion College of Engineering and Technology

Mount Zion College of Engineering and Technology was inaugurated in the year 2001. It is run by Mount Zion Christian Educational Trust. This trust was formed in 1988 with the sole aim of providing education in the educationally backward district of Pudukkottai. The college since its inception has grown in leaps and bounds and is currently one of the best in the region. It strives to make all those who pass through its portals into innovative, hardworking engineers who will be of use to their places of work and to the society at large. Though young, the college has great plans for the future and the management is determined to transform Mount Zion into one of the best engineering institutions in the world.

#### Keynote Speakers

##### Dr. N. Kumarappan

Chairman, IEEE Madras Section and Professor, Department of Electrical Engineering, Faculty of Engineering and Technology, Annamalai University, Tamil Nadu, India.

##### Dr. R Kanthavel

Professor, Department of Computer Engineering, King Khalid University, Kingdom of Saudi Arabia.

##### Dr. João Tavares

Faculty of Engineering of University of Porto, Portugal.

### Call for Papers

#### Computational Methods

Soft Computing  
Grid Computing  
Machine Vision and Computational Imaging  
Mobile Edge Computing  
Autonomic Computing  
Distributed Computing  
High Performance Computing  
Internet of Things  
Quantum Computing  
Computational Intelligence for Electric Machines and Drives  
Machine/Deep Learning  
Cryptography and Blockchain  
Cyber Physical Systems  
Human-computer interaction  
Meta Heuristic Algorithms  
Crowd Sourcing & Social Intelligence

#### Robotics and Automation

Cognitive and Adaptive Automation Systems  
Navigation and Control  
Fault Detection and Diagnosis  
Agents and Multi-agent Systems  
Process Modelling, Control and Optimal Design  
Optimization and Decision Making Support  
Automated Fault Detection, Diagnostics, and Prognostics  
Sensor Fusion for Intelligent Automation Systems  
Smart Products and Embedded Intelligence  
Sustainability and Green Automation  
Knowledge Based Systems  
Robotics and Virtual Reality Systems  
Human-Robot Interaction and Semi-Autonomous Systems  
Modeling and Simulation Scheduling  
Ubiquitous Mobile Robotics

#### Renewable Systems

Intelligent Control Techniques  
Hybrid and Integrated Renewable Energy Systems  
Photovoltaic Systems and Solar Energy Engineering  
Renewable Energy Utilizations  
Fault Monitoring and Predictive Maintenance  
Environmental Impacts and Sustainability  
Environment Friendly Energy Systems  
Sustainable Transport and Electric Vehicles  
Sustainable Electrical Energy Systems  
Smart Grid  
Intelligent Integration of Renewable Energy Technologies  
Hybrid Energy Systems  
Energy Efficient Systems  
Sustainability in Process Industries  
Efficient Energy Generation and Conversion  
Control and Optimization of Renewable Energy Systems

#### Technical Co-Sponsors



#### Contact

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#### Venue

Mount Zion College of Engineering and Technology  
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Pudukkottai, Tamil Nadu, India