





11-13, December 2023 Pudukkottai, India

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

# 2<sup>nd</sup> International Conference on Automation, Computing and Renewable Systems

## **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 2023 is "Intelligent Computational Methods, Automation and Emerging trends in renewable energy". The 2nd International Conference on Automation, Computing and Renewable Systems [ICACRS 2023] 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.

## **COMMITTEE**

#### **Chief Patrons**

#### Mrs. Florence Jayabarathan

Chairperson

Mount Zion College of Engineering and Technology

Pudukkottai, Tamil Nadu, India

#### Dr. Jayson K. Jayabarathan

Director

Mount Zion College of Engineering and Technology

Pudukkottai, Tamil Nadu, India

#### Mrs. Vivian Rachel Jayson

Academic Coordinator

Mount Zion College of Engineering and Technology

Pudukkottai, Tamil Nadu, India

#### **Conference Chair** Dr. Balamurugan P

Principal

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

## **Publication Chairs**

Dr. Robinson S Dean/ICT

Mount Zion College of Engineering and Technology

Pudukkottai, Tamil Nadu, India Mr. Thivya Prasad D

HoD/EEE

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

## **CONTACT**

#### Mr. RAMACHANDRAN K

+91-9894162587

## **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

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 Prognost s

Sensor Fusion for Intelligent Automation Systems

Smart Products and Embedded Intelligence

Sustainability and green automation

Knowledge Based Systems

Robotics and virtual reality systems

Modeling and Simulation Scheduling

## **VENUE**

Mount Zion College of Engineering and Technology, Lene vilakku, Pilivalam P.O Pudukkottai, Tamil Nadu, India

## **Intelligent Control Techniques**

**Renewable Systems** 

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** 

**CALL FOR PAPERS** 

Publication: All accepted and presented papers will be recommended for inclusion in IEEE Xplore Digital Library

## **Previous publication**

**ICACRS 2022 Publication** 

#### **Registration Fee Details**

For registration fee refer the following link

## **Paper Submission**

Send full manuscript via

email: icacrs.confe@gmail.com



