



24-26 May 2027

# 5<sup>TH</sup> INTERNATIONAL CONFERENCE ON SELF SUSTAINABLE ARTIFICIAL INTELLIGENCE SYSTEMS ICSSAS 2027

## TECHNICAL SPONSORS



## ICSSAS 2027

In recent years, there has been a growing emphasis on the integration of Artificial Intelligence (AI) technologies across various domains, a trend further accelerated by the challenges posed by the global pandemic. This has prompted industrial stakeholders to reassess their approaches to sustainable operations, particularly in areas such as smart cities, smart transportation, smart industries, and healthcare. Leveraging computer-aided techniques, predictive methods, and expert systems has become increasingly vital for researchers and practitioners in navigating the complexities of these real-time applications. This International Conference on Self Sustainable Artificial Intelligence Systems aims to explore the intersection of AI technologies and sustainability within the broader context of systems engineering principles. By focusing on the role of intelligence-based approaches such as optimization algorithms (e.g., genetic algorithms, particle swarm optimization), predictive modeling techniques (e.g., artificial neural networks, neuro fuzzy interfaces), and expert systems, this conference seeks to foster discussions on how these methods can contribute to the sustainable development goals across economic, social, environmental, and technical dimensions.



## ORGANIZED BY



**M.P.NACHIMUTHU M.JAGANATHAN ENGINEERING COLLEGE**  
Approved by AICTE, New Delhi & Permanently Affiliated to Anna University, Chennai  
Sudhanandhen Kalvi Nagar, Chennimalai, Erode - 638 112, TamilNadu.

## M.P.NACHIMUTHU M.JAGANATHAN ENGINEERING COLLEGE

M.P.Nachimuthu M.Jaganathan Engineering College, Chennimalai, Erode is one among the best self-financing engineering colleges. The main thrust is given to discipline, quality education and also in moulding young minds to become fully competent engineers. The main scope of this institution is to provide education for the rural students and economically deprived students as per the ardent desire of the Founder Correspondent Thiru.J.Sudhanandhen. Free education is offered to the meritorious students and also, fees concession is provided every year for the under privileged students. The college has full-fledged infrastructure facilities, i.e., buildings, laboratories, hostels, sports etc. and provides a better learning environment to the students through the dedicated, efficient and well qualified faculty. Also, the institution offers much needed academic exposure to the students along with communication skills and personality development programmes. The vibrant and active Training and Placement Cell provides continuous training to the students and better placements in various Multi -National Companies. All efforts are pursued assiduously to build the Institution as a Model One.

## CALL FOR PAPERS

### Track - 1: Systems Thinking and Engineering

#### Applications

- Knowledge Representation, Search, and Analysis for Systems Engineering
- Explainable AI (XAI) and Visualization Methods in Systems Design and Analysis
- Multi-Attribute Optimization and Simulation Techniques for Systems Engineering
- Soft Computing Approaches for Smart Cities Planning and Management
- Large-Scale Optimization Techniques for Complex Systems
- Big Data Optimization for Large-Scale System Applications
- Autonomous Systems for Environmental Monitoring and Management
- Artificial Intelligence for Stability Analysis and Control in Industrial Systems
- Decision Support Tools for Systems Engineering Computation
- Soft Computing Techniques for Distributed Systems Engineering

### Track - 2: AI-Enabled Systems Engineering Solutions

- Artificial Intelligence for Control, Fault Detection, and Maintenance in Complex Systems
- AI-Enabled Aspects in Edge-Cloud Environment for Systems Engineering Applications
- Network Function Virtualization for Cloud/Edge Intelligence in Systems Engineering
- Computational AI Methods for Sustainable Society Development and Implementation
- AI Algorithms for Distributed and Decentralized Processing in Systems Engineering
- AI-Driven Security and Privacy Protection for Systems Engineering Applications
- Machine Learning for Prediction and Experience Modeling in Systems Engineering
- Sustainable Recommender Systems Using AI Techniques
- Reinforcement Learning in Sustainable Energy and Systems Optimization

### Keynote Speakers

#### Dr. Veerpratap Meena

Assistant Professor,

Department of Electrical Engineering

National Institute of Technology Jamshedpur, India

Chair, IEEE Systems Council Systems Education Technical Committee.

#### Dr. Ke-Lin Du

Affiliated, Associate Professor, Department of Electrical and Computer Engineering, Concordia University, Montreal, Canada

#### Dr. Shajulin Benedict

Indian Institute of Information Technology, Kottayam, India

#### Dr. Joy long Zong Chen

Da-Yeh University, Taiwan.

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Czech Technical University, Prague.

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University of Technology, Papua New Guinea.

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### Registration Fee

| Category            |                           | IEEE SC Member | IEEE Member | Non-IEEE Member |
|---------------------|---------------------------|----------------|-------------|-----------------|
| Indian Participant  | Students                  | 11,250 INR     | 11,750 INR  | 12,250 INR      |
|                     | Faculty Scholars Industry | 11,500 INR     | 12,000 INR  | 12,500 INR      |
|                     | Listeners                 | 7,250 INR      | 8,250 INR   | 9,250 INR       |
| Foreign Participant | Authors                   | 140 USD        | 160 USD     | 180 USD         |
|                     | Listeners                 | 110 USD        | 130 USD     | 140 USD         |

## CONTACT INFORMATION

### Dr. R. Mohan

Professor, ECE, M.P.Nachimuthu M.Jaganathan

Engineering College Erode, India.

icssat.contact@gmail.com

+91-7418914826

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## Submission

### Submission Guidelines

- Original contributions from multidisciplinary, interdisciplinary, and transdisciplinary views on related topics are invited. The submitted manuscript should not be under consideration elsewhere.
- Full paper length should be of 6-8 pages.
- Authors are required to mention their name, affiliation, and contact Email ID in the first page of the article.
- Articles with a plagiarism level should be less than 20% will be considered for the review process. Authors are encouraged to use proper citations and ensure the integrity of their work.
- Authors should ensure that the article is well-organized, with clear sections for abstract, introduction, methodology, results, and conclusion.
- Authors should include keywords that reflect the main themes and topics addressed in the research article (at the end of the abstract section). These keywords will assist in the categorization and review process.
- All articles will undergo independent peer review, and authors will be notified of the decision after the review/evaluation process.
- Authors are required to adhere to the registration deadlines to ensure the inclusion of their work in the conference program.

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