ICSSAS

24–26 May 2027



5TH INTERNATIONAL CONFERENCE ON SELF SUSTAINABLE ARTIFICIAL INTELLIGENCE SYSTEMS ICSSAS 2027

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ORGANIZED BY

M.P.NACHIMUTHU M.JAGANATHAN ENGINEERING COLLEGE

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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.

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 Iong Zong Chen
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Dr. Robert Bestak
Czech Technical University, Prague.

Dr. R Kanthavel
University of Technology, Papua New Guinea.

Dr. Joy Iong Zong Chen
Da-Yeh University, Taiwan.

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	Faculty/ Scholars/ Industry	12,800 INR	13,300 INR	13,800 INR
	Listeners	7,250 INR	8,250 INR	9,250 INR
Foreign Participant	Authors	200 USD	225 USD	250 USD
	Listeners	120 USD	140 USD	160 USD

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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.
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