2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing and Cybersecurity

iSSSC 2025

Organized by Department of EE & EEE
School of Engineering and Technology
GIET University, Gunupur, Odisha

06-08 November 2025, Venue : GIET University, Odisha, India

Call for Papers

The 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (iSSSC-2025), technically co-sponsored by IEEE Bhubaneswar Section and IEEE Consumer Technology Society Bhubaneswar, Odisha is being organized by the Department of Electrical Engineering and Electrical & Electronics Engineering, GIET University, Gunupur, Odisha, India from November 06-08, 2025. The 3rd edition of this conference invites papers that report the latest research and novel applications of IoT, AI/ML, and Big Data to the fields of Sustainable Energy, Signal Processing, and Cybersecurity.

Topics covered by iSSSC 2025 include, but are not limited to:

Track 1: PROTOTYPE & PRODUCT MODELS
- IoT and AI-Enabled Smart Products
- Prototypes in Renewable Energy and Sustainability
- AI and Machine Learning in Product Design
- Smart Materials for Innovative Products
- Biotechnological Prototyping and Applications
- Agricultural Prototyping and Applications
- Waste to Wealth

Participants submitting under Track-1 will receive seed funding support from industries based on the innovativeness of concepts.

Track 2: SUSTAINABLE ENERGY SYSTEMS AND TECHNOLOGIES
- Renewable Energy Integration and Grid Management
- Energy Storage Innovations
- AI and IoT in Energy Systems
- Sustainable Transportation and Green Mobility
- Energy Policy, Economics, and Market Trends
- Sustainable & Smart Buildings
- Energy Efficiency and Demand-Side Management

Track 3: SIGNAL PROCESSING AND APPLICATIONS
- Advanced signal processing for 5G/6G communications
- Digital Signal Processing (DSP) Algorithms and Implementations
- Image and Video Signal Processing
- Biomedical Signal Processing
- Machine Learning for Signal Processing
- IoT and Embedded Signal Processing
- Signal Processing for Remote Sensing and Geosciences

Track 4: CYBERSECURITY AND PRIVACY
- Emerging Threats and Mitigation Strategies
- Privacy-Preserving Technologies
- Security in Emerging Technologies
- Cloud Security and Data Protection
- Cybersecurity for Critical Infrastructure
- Ethical Hacking and Penetration Testing

Track 5: SMART COMMUNICATION AND ANTENNA SYSTEMS
- Optical Communication
- Underwater Communication
- Wireless and Sensor Network
- Vehicular, and 5G/6G Communications
- Communication and AI
- Spectrum Sensing

Track 6: INTERDISCIPLINARY RESEARCH
1. Biomedical Systems and Control
   a. Bio-system Modelling and Simulation
   b. Physiological Control System
   c. Medical Devices
   d. Industrial Biotechnology
2. AI/ML and Robotics
   a. Human Robot Interaction
   b. AI and ML Interaction in Robotics
   c. Human Robot Interaction
   d. Autonomous Vehicle

All accepted and presented papers in the conference will be submitted to IEEE Xplore for possible publication.

Contact us: isssc2025@gmail.com

All paper should be submitted via Microsoft CMT
https://cmt3.research.microsoft.com/isssc2025

For details, visit the conference website at
https://ieee-isssc.in/

Conference Highlights:
Best Paper Award
Keynote talks
Tutorial Sessions
Panel Discussions

Submission Link

Important Dates:
Paper Submission Deadline: 15-07-2025
Notification of Acceptance : 15-08-2025
Camera-ready Submission : 30-08-2025

Website Link

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