









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 loT, 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
- Al 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**
- · Al 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 Al
- 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. Al 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

For details, visit the conference website at

Conference Highlights:

Best Paper Award Keynote talks **Tutorial Sessions** Panel Discussions



Important Dates:

22-08-2025 Paper Submission Deadline: 15-08-2025

Notification of Acceptance: 31-08-2025 Camera-ready Submission: 15-09-2025



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