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Vellore Institute of Technology
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School of Electronics Engineering



2nd IEEE international conference on **Next Generation on Electronics**

CALL FOR PAPERS

Special session -IV

**Edge -intelligent and cloud connected
IoT for sustainable societal applications**

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SESSION CHAIRS

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Asst.Professor

Chennai Institute of Technology

Dr.R.Sujatha

Professor, SENSE, VIT, Vellore

HYBRID MODE

08-10 May 2026

The special session on "Edge-Intelligent and Cloud-Connected IoT for Sustainable Societal Applications" lies in its fusion of edge computing's low-latency processing with cloud scalability, tailored explicitly for equitable, sustainable societal impact unlike traditional IoT sessions that emphasize industrial efficiency alone.

Tentative Topics:(but not limited to)

- 1.AI-Enabled Edge Computing for Sustainable IoT Ecosystems
- 2.Cloud-Integrated IoT Frameworks for Smart Urban Infrastructure
- 3.Edge-Intelligent Data Analytics for Environmental Monitoring and Management
- 4.Reconfigurable and Adaptive IoT Devices for Resilient Societal Applications
- 5.AI/ML-Driven Optimization of Edge and Cloud Resources in IoT Networks
- 6.Secure and Privacy-Preserving Edge-Cloud IoT Architectures for Critical Societal Services
- 7.Low-Power, High-Performance Edge Devices for Sustainable Smart Cities
- 8.Integration of 5G/6G Technologies with Edge-Intelligent IoT for Real-Time Societal Applications
- 9.Edge AI for Predictive Maintenance and Disaster Management in IoT-Enabled Societies
- 10.Standardization and Interoperability Challenges in Cloud-Connected Edge IoT for Sustainability



For any queries,

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