



SASIGD 2026

2026 International Conference on Sustainable AI for Social Impact and Global Development

August 13–14, 2026

Technically Co-Sponsored by IEEE SSIT, #68127

CALL FOR PAPERS – SPECIAL SESSION

Intelligent AIoT and Deep Learning Solutions for Sustainable Social Impact

Session Code: **SS160**

Session Co-Chairs

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Session Description

The rapid convergence of Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), and the Internet of Things (IoT) has given rise to Artificial Intelligence of Things (AIoT)—a transformative paradigm enabling intelligent, autonomous, and context-aware systems. AIoT has immense potential to address pressing societal and developmental challenges by enabling real-time decision-making, efficient resource utilization, and scalable solutions aligned with sustainable development goals. This special session focuses on novel AI- and DL-driven IoT frameworks, algorithms, and applications that contribute to sustainable social impact across domains such as smart healthcare, precision agriculture, smart cities, environmental monitoring, education, and inclusive digital infrastructure. Unlike conventional AI or IoT tracks, this session emphasizes end-to-end intelligent systems, where sensing, learning, communication, and actuation are cohesively designed for real-world social relevance. The session aims to bring together researchers, practitioners, and policymakers to present cutting-edge research, practical deployments, and visionary frameworks that demonstrate how intelligent AIoT solutions can foster resilience, inclusivity, and global development.

The topics of interest include, but are not limited to:

- AIoT architectures for sustainable and smart environments
- Deep learning models for sensor data analytics
- Edge AI and federated learning for IoT applications
- Explainable and trustworthy AI for IoT systems
- AI-driven smart healthcare and remote patient monitoring
- Intelligent IoT solutions for agriculture and food security
- Smart city applications using AI and IoT
- Environmental monitoring and climate-aware AIoT systems
- Energy-efficient ML algorithms for IoT devices
- Cybersecurity, privacy, and ethical challenges in AIoT
- Human-centric and inclusive AIoT systems
- Real-time decision-making using AI in IoT networks...

IMPORTANT SUBMISSION DEADLINES

Call for Special Session proposals: **February 12, 2026**
Call for Regular Papers: **March 1, 2026**
Call for Student Posters: **March 8, 2026**



PAPER SUBMISSION

Scan the QR Code or Visit

<https://sasigd.org/special-sessions.php>



REVIEWERS REGISTRATION

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Experts are invited to join as reviewers for SASIGD 2026.

All the accepted & presented papers will be submitted for possible inclusion in IEEE Xplore.

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