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

Recent Trends in AI based Cyber Physical Systems

Session Code: **SS120**

Session Co-Chairs

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Session Description

This special session deals with the problems faced by Cyber Physical Systems (CPS) and its integration with Artificial Intelligence. The major challenges faced are of explainability, quantum based cyber attacks, interoperability and scalability. The AI models implemented in CPS acts like a black box and its difficult to rely on its output. The goal is to delve into the adoption of explainable AI, Post-Quantum cryptography, cyber security, interoperable standards, development in edge AI and balancing the act with the implementation of ethical guidelines with CPS.

The topics of interest include, but are not limited to:
- Theoretical and Mathematical Models for CPS
- Explainability and Trust based AI models for CPS
- Advanced applications of Digital Twin for CPS
- AI based security and privacy frameworks for CPS
- Ethical standardization, scalability and interoperability policies for CPS
- Simulation environments and communication protocols for CPS

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
Scan the QR Code or Visit
https://forms.gle/oBdwKjcHC8gs6PyaA
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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📅 *August 13–14, 2026*

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