



DASGRI-2026

International Conference on Data Science and AI for Social Goods and Responsible Innovation

**Will be held at Goldsmith University of London, london, United Kingdom
On 10th – 11th April, 2026.**

******* CALL FOR PAPERS *******

SPECIAL SESSION ON

AI-Driven Cyber-Physical Consumer Technologies for Connected Lifestyles

SESSION ORGANIZERS:

1. Deepa Narayanasamy, SIMATS Engineering, Saveetha Institute of Medical and Technical Sciences, India, deepa23narayanan@gmail.com
2. Pavan Nutalapati
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SESSION DESCRIPTION:

The fusion of AI and IoT is revolutionizing cyber-physical consumer technologies, crafting an era of connected lifestyles where smart devices anticipate, adapt, and personalize user experiences in real-time. As everyday objects become intelligent, integrated, and autonomous, they transform the way consumers interact with their environments, unlocking unprecedented convenience, efficiency, and sustainability. This evolving ecosystem not only empowers individuals but also drives new paradigms in home automation, healthcare, retail, and beyond accompanying in an innovative lifestyle seamlessly woven by AI-driven IoT.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- **Predictive Maintenance for Home Appliances Using IoT Sensors**
- **AI-Enhanced Indoor Air Quality Monitoring Solutions**
- **Edge AI for Privacy-Preserving Smart Consumer Electronics**
- **Federated Learning for Collaborative IoT Device Intelligence**
- **Voice-Activated AI Assistants Embedded in Consumer IoT Devices**

- AI-IoT Systems for Smart Kitchen and Cooking Assistance
- Intelligent Security and Surveillance Systems for Connected Homes
- AI-Enhanced IoT in Consumer Transportation and Mobility
- Proactive Consumer Support Using AI and IoT Data Fusion
- Smart Appliances with AI for Waste Reduction and Sustainability]

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **AI-Driven Cyber-Physical Consumer Technologies for Connected Lifestyles** on or before 06.04.2026. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://cmt3.research.microsoft.com/DASGRI2026>. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**AI-Driven Cyber-Physical Consumer Technologies for Connected Lifestyles**] at the top (above paper title) of the first page of your paper.

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