

**INDEA-2026**  
**International Conference on**  
**Next-Generation Data Engineering and Analytics**  
*ORGANISED BY: University of Salford, Manchester, UK*  
On  
**21<sup>st</sup>- 22<sup>nd</sup> August 2026.**

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

**SPECIAL SESSION ON**  
**Internet of Things**

**SESSION ORGANIZERS:**



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**SESSION DESCRIPTION:**

The Internet of Things (IoT) is transforming the way humans and machines interact, driving innovations across smart cities, healthcare, industry, transportation, and beyond. Objectives of the Session:

- \* To explore recent developments in IoT architectures, communication protocols, and applications.
- \* To highlight innovations integrating IoT with AI, ML, edge/fog/cloud computing, and blockchain technologies.
- \* To discuss security, privacy, and standardization challenges in large-scale IoT deployments.
- \* To identify potential directions for sustainable and intelligent IoT solutions for societal benefit.

**RECOMMENDED TOPICS:**

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

- 1. IoT Architectures and Frameworks** ( IoT system design and interoperability, Communication models and protocols (MQTT, CoAP, 6LoWPAN, etc.), Edge, fog, and cloud-based IoT integration)

**2. IoT Devices and Connectivity** (Sensor networks and embedded systems, Low-power wireless communication (LoRa, ZigBee, BLE, NB-IoT), Hardware design, energy efficiency, and scalability)

**3. IoT Data Management and Analytics** ( Big data processing and real-time analytics, AI/ML-enabled IoT intelligence, Data storage, interoperability, and lifecycle management)

**4. IoT Security, Privacy, and Trust**

**5. IoT Applications and Case Studies** ( Smart cities, smart homes, and intelligent transportation, Industrial IoT (IIoT) and predictive maintenance, Healthcare IoT and remote patient monitoring, Agricultural and environmental IoT solutions)

**6. Emerging Trends and Future Directions** ( Digital twins and cyber-physical systems, Sustainable IoT and green computing)

### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **[Internet of Things]** on or before **[30<sup>th</sup>December 2025]**. 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://indea-conf.com>. All submitted papers will be reviewed on a double-blind, peer review basis.

**NOTE:** While submitting paper in this special session, please specify **[Session Name]** at the top (above paper title) of the first page of your paper.

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