



**International Conference on
Next-Generation Data Engineering and Analytics
(INDEA-2026)
Organized by: University of Salford, Manchester, UK
Date: 21st - 22nd August 2026**

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

SPECIAL SESSION ON

Research Trends in Data Science, IoT and Computational Intelligence

SESSION ORGANIZERS:

1. **Dr. Shruti Aggarwal, Department of Computer Science & Engineering, Thapar Institute of Engineering and Technology, India. Email: drshruti.cse@gmail.com**
2. **Dr. Syed Anar Ansar, Associate Professor, School of Computer Science and Engineering, Sandip University, Sijoul, Madhubani, Bihar, syed000anas@gmail.com**

SESSION DESCRIPTION:

The merging of Data Science, IoT, and Computational Intelligence in 6G communications has great potential to bring about revolutionary advancements in future developments. However, it also postures the challenges related to data privacy, security, interoperability, and the development of efficient machine learning algorithms capable of handling the complexities of 6G networks. Many soft and hard computing techniques have been proposed but more robust solutions are required for 6G environment.

Data Sciences, computational intelligence and IoT are rising research domains with applicability in various popular fields like clinical systems, google now features, probability graphic models, video, audio mining, etc. All these need to synchronize with the 6G technology with a realistic environment using augmented and virtual reality. So, the challenges focus not only secured machine learning algorithms but also on optimized infrastructure support.

RECOMMENDED TOPICS:

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

- Machine learning models for network security in IoT environment
- Machine learning solutions against security attacks
- Deep learning for enhancing security and privacy in 6G Communications
- Cyber Security and Data Mining
- Network Optimization using computational intelligence
- deep learning-based natural language processing
- Deep learning models for Predictive Maintenance
- IoT and Data Generation
- Data Science, IoT and Computational Intelligence in smart cities
- Smart Healthcare in 6G environment

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.