INDEA-2026
International Conference on
Next-Generation Data Engineering and Analytics

ORGANISED BY: University of Salford, Manchester, UK
On
21ˢᵗ- 22ⁿᵈ August 2026.

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

SPECIAL SESSION ON
Explainable AI in Next-Generation Healthcare Data Analytics

SESSION ORGANIZERS:
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EDITORIAL BOARD: (Optional)
[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:
The rapid growth of healthcare data from sources such as electronic health records, medical imaging, and wearable devices has created significant opportunities for advanced data analytics. Artificial Intelligence models are increasingly used for diagnosis, prediction, and clinical decision support; however, their lack of interpretability remains a key challenge. This special session focuses on recent developments in Explainable AI (XAI) for healthcare data analytics, highlighting methods and applications that improve the transparency and understanding of AI-driven healthcare systems. It aims to bring together researchers working on interpretable models and data-driven solutions for next-generation healthcare analytics.

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

- Explainable Machine Learning Models for Healthcare Data Analytics
- Interpretable Deep Learning for Medical Diagnosis and Prediction
- XAI Techniques for Medical Imaging Analytics

- Explainable AI for Clinical Decision Support Systems
- Feature Attribution and Model Interpretability in Healthcare Analytics
- XAI for Disease Prediction and Risk Assessment
- Transparent AI Models for Personalized Healthcare Analytics
- Explainable Data Mining Techniques for Biomedical Data
- Evaluation Methods and Metrics for Explainability in Healthcare Analytics

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Explainable AI in Next-Generation Healthcare Data Analytics** *on or before* [30th **May 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://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
            Explainable AI in Next-Generation Healthcare Data Analytics
at the top (above paper title) of the first page of your paper.

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