

CALL FOR PAPERS (CFP)

IDEA 2026

International Conference on
Intelligent Data Engineering
and Artificial Intelligence

SPECIAL SESSION ON

EXPLAINABLE AI IN HEALTHCARE (XAI-HC)



December 03 – 05, 2026



Jio Institute, Navi Mumbai, India



ABOUT THE SESSION

The increasing deployment of Artificial Intelligence in healthcare has introduced critical challenges related to interpretability, transparency, and trust. High-performing models such as deep neural networks demonstrate strong predictive capability, but their opaque nature limits clinical adoption and raises ethical and regulatory concerns.

This special session aims to explore emerging methodologies in Explainable AI (XAI) tailored to healthcare applications. It will provide a platform for interdisciplinary dialogue among researchers, clinicians, and practitioners working on interpretable machine learning, fairness, accountability, and real-world clinical integration.

The session seeks to bridge the gap between model performance and practical usability in high-stakes medical environments.



IMPORTANT DATES



Paper Submission Deadline **15 June 2026**



Notification of Acceptance **20 August 2026**



Camera-Ready Submission **20 September 2026**



Conference Dates **03 – 05 December 2026**



SUBMISSION GUIDELINES

- ✓ Manuscripts must be original, unpublished, and not under review elsewhere.
- ✓ All submissions must follow the formatting and submission guidelines of IDEA 2026.
- ✓ Papers will undergo a rigorous peer-review process based on originality, technical quality, relevance, and clarity.
- ✓ Accepted and presented papers will be included in the conference proceedings published in the Springer LNNS Series (Scopus Indexed).



Springer

LNNS Series
(SCOPUS INDEXED)

TOPICS OF INTEREST



• Explainable and interpretable AI methods for healthcare



• Clinical decision support systems using XAI



• Explainability in medical imaging and radiomics



• Personalized medicine and interpretable predictive analytics



• Human-AI interaction and usability in healthcare systems



• Fairness, bias detection, and robustness in healthcare AI



• Ethical, legal, and regulatory aspects of explainable AI



• Trade-offs between model accuracy and interpretability



• Explainability evaluation metrics and benchmarking



• Multimodal healthcare data interpretation



• AI for disease diagnosis and risk prediction



• Federated and privacy-preserving explainable learning



• Real-world deployment and validation of healthcare AI systems

SESSION CHAIRS



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WHY SUBMIT TO THIS SPECIAL SESSION?



Dedicated focus on
trustworthy healthcare AI



Engage with
interdisciplinary experts
and clinicians



Platform for presenting
cutting-edge research
in XAI



Networking with experts
from academia,
healthcare, and industry



Visibility through
Springer LNNS conference
proceedings



CONFERENCE WEBSITE

<https://www.jioinstitute.edu.in/idea-2026>