JIO INSTITUTE

Call For Papers

Intelligent Data Engineering and AI (IDEA) Conference 2026

3-5 December, 2026

JIO INSTITUTE,
NAVI MUMBAI, INDIA

About IDEA 2026

The Intelligent Data Engineering and AI 2026 (IDEA 2026) conference aims to bring together researchers, practitioners, and industry experts to discuss the latest advancements in data engineering, artificial intelligence, and their real-world applications. The conference will provide a platform for the exchange of innovative ideas, novel methodologies, and groundbreaking research in these rapidly evolving domains. IDEA 2026 will include keynote talks, technical paper and poster presentations, panel discussions, and workshops.

Topics

Submissions are invited in, but not limited to, the following areas:

Track 1: Intelligent Data Engineering & Big Data
- Scalable Data Processing and Storage
- Knowledge Graphs and Semantic Data Engineering
- Data Cleaning, Integration, and Transformation
- Data Security, Privacy, and Governance
- High-Performance Computing for AI

Track 2: Machine Learning & Deep Learning
- Deep Learning Architectures and Optimization
- Generative AI and Foundation Models
- Federated and Distributed Learning
- Explainable AI
- Reinforcement Learning and Sequential Decision-Making

Track 3: Computer Vision & Natural Language Processing
- Image and Video Analysis, Object Detection, and Segmentation
- AI for Remote Sensing and Medical Imaging
- Speech Processing and Conversational AI
- NLP for Sentiment Analysis, Text Summarization, and Information Retrieval
- Multimodal AI: Combining Vision, Speech, and Language

Track 4: Ethical, Fair, and Responsible AI
- Bias Detection and Fairness in AI
- Privacy-Preserving Machine Learning
- AI Policy, Regulation, and Governance
- Human-AI Collaboration and Societal Impact
- AI for Sustainability and Climate Science

Track 5: AI Applications and Case Studies
- AI in Healthcare: Diagnosis, Drug Discovery, and Personalized Medicine
- AI in Finance: Fraud Detection, Risk Assessment, and Algorithmic Trading
- AI for Smart Cities, IoT, and Sustainable Urban Development
- AI in Business Intelligence, Marketing, and Decision-Making
- AI for Manufacturing, Supply Chain, and Industry 4.0

Track 6: Emerging Trends and Future Directions
- Next-Generation AI Architectures and Quantum Computing
- Edge AI and AI for Real-Time Decision-Making
- Neuromorphic Computing and Brain-Inspired AI
- AI Safety, Robustness, and Alignment Challenges
- Future of AI Regulation and Global AI Ethics

Important Dates

Submission Timeline
1 Apr – 15 Jun 2026

Notification of Acceptance
20 Aug 2026

Registration & CRC Submission
20 Sep 2026

Publication & Proceedings

Accepted and Presented papers will be included in the conference proceedings, which are planned to be published with Springer (Approval Pending)

Submission, Review & Publications

- Submissions to be made in Springer LNCS format
- Double-blind peer-review process to be judged on originality, technical quality, relevance and clarity
- Accepted & presented papers to be published with Springer (Approval Pending)

Submit Here