International Conference on Data-Processing and Networking (ICDPN-2025)

Date: 7th – 8ᵗʰ November, 2025

ORGANISED BY : Institute of Technology and Business in České Budějovice, Near Prague, Czech Republic, Europe (Venue).

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

SPECIAL SESSION ON

Redefining Data Management: Pioneering the Future with AI, ML, and Deep Learning for Next-Gen Innovation

SESSION ORGANIZERS:

Dr. Lokesh Jain, Department of Information Technology, Jagan Institute of Management Studies, Rohini, Delhi, India, lokesh.jain@jimsindia.org

EDITORIAL BOARD: (Optional)

Dr. Lokesh Jain, Department of Information Technology, Jagan Institute of Management Studies, Rohini, Delhi, India, lokesh.jain@jimsindia.org

SESSION DESCRIPTION:

The objective of this session is to explore how AI, ML, and Deep Learning are revolutionizing data management practices, providing innovative solutions for handling vast amounts of data efficiently and intelligently. This session will investigate how AI, ML, and Deep Learning are transforming data management to allow organizations to automate, streamline, and unlock deeper meaning from their data. It also explores how AI simplifies data organization, how ML converts raw data into actionable predictions, and how deep learning addresses complicated, unstructured data. Attendees will demonstrate through actual scenarios how such technologies build adaptable, scalable systems that make firms responsive and remain at the forefront in a fast-developing, data-driven globe. The session will focus on unleashing the power of these technologies for future-ready data management. The session will highlight how these technologies are transforming data management, exploring both the challenges and opportunities of integrating them into existing infrastructures.

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

- **AI, ML, and Deep Learning in Data Management**

- **AI-Powered Data Optimization**
- **Machine Learning for Predictive Analytics**
- **Deep Learning for Complex Data**
- **Data Quality Enhancement with AI**
- **Real-Time Data Processing with ML**
- **Automated Data Tagging and Classification**
- **Scalable Data Systems with AI**
- **Deep Learning for Data Security**
- **AI-Driven Data Integration**
- **ML for Data Anomaly Detection**
- **Data Governance with AI and ML**
- **Personalized Data Insights Using AI**
- **AI in Cloud Data Management**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on [**Redefining Data Management: Pioneering the Future with AI, ML, and Deep Learning for Next-Gen Innovation**] *on or before* [**30th MAY 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://www.icdpn-conf.com/Downloads**. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Redefining Data Management: Pioneering the Future with AI, ML, and Deep Learning for Next-Gen Innovation**] at the top (above paper title) of the first page of your paper.

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