



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 [AI, Data Science & Analytics:]

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

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SESSION DESCRIPTION:

The session on AI, Data Science, and Analytics aims to bring together researchers, academicians, industry professionals, and practitioners to discuss emerging trends, innovative methodologies, and real-world applications that are reshaping industries and societies. Artificial Intelligence (AI) combined with Data Science and advanced Analytics plays a transformative role in extracting insights, driving informed decision-making, and enabling automation across multiple domains.

This session invites contributions focusing on cutting-edge developments in machine learning, deep learning, predictive and prescriptive analytics, big data processing, natural language processing, computer vision, and AI-powered decision support systems. It also encourages case studies and applications of AI and Analytics in diverse fields such as healthcare, finance, business intelligence, smart cities, agriculture, manufacturing, and cybersecurity.

The primary objective of this session is to foster knowledge exchange, explore practical challenges, and highlight future directions in leveraging AI and Data Analytics for innovation, efficiency, and sustainable growth.

RECOMMENDED TOPICS:

- **RECOMMENDED TOPICS: AI, Data Science & Analytics**
- Artificial Intelligence: Trends, Frameworks, and Applications
- Machine Learning and Deep Learning Models
- Natural Language Processing and Text Analytics
- Computer Vision and Image/Video Analytics
- Predictive, Prescriptive, and Descriptive Analytics
- Big Data Analytics and Scalable Computing Frameworks
- Data Mining and Knowledge Discovery
- Explainable AI (XAI) and Responsible AI
- AI in Healthcare, Finance, Education, and Smart Cities
- Data-driven Decision Support Systems
- Reinforcement Learning and Optimization Techniques
- Cloud, Edge, and Distributed AI Architectures
- AI for Cybersecurity and Fraud Detection
- Ethical, Legal, and Social Implications of AI & Analytics
- Business Intelligence and Data Visualization
- Applications of AI & Analytics in Agriculture, Manufacturing, and Supply Chain

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[session name] on or before [5th Aug 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 **[AI, Data Science & Analytics]** at the top (above paper title) of the first page of your paper.

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