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
Applied AI for Smart Data Processing and Network Security

SESSION ORGANIZERS:
Dr. Manvi Breja, The NorthCap University, Gurugram, India, manvibreja@ncuindia.edu
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EDITORIAL BOARD: (Optional)
[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

This special session aims to explore the amalgamation of Artificial Intelligence (AI), scalable data processing, and secure networking for developing intelligent systems. With the increase in worldwide data driven solutions, the demand for implementing reliable, explainable, and secure AI systems has never been greater.

We are inviting papers that address foundational theories, novel algorithms, and real-world applications to manage large-scale distributed data, building intelligent cyber-physical systems, or developing secure protocols for edge and cloud computing. Researchers from academia, industry, and public sector innovation labs are encouraged to submit.

The session especially welcomes interdisciplinary work bridging computer science, electrical engineering, data science, cybersecurity, IoT, and telecommunications.

RECOMMENDED TOPICS:
Topics to be discussed in this special session include (but are not limited to) the following:
- AI for High-Performance, Scalable, and Distributed Data Processing
- Real-time Cloud Intelligence
- Secure and Privacy-Preserving Machine Learning Algorithms
- AI in Network Monitoring, Threat Detection, and Incident Response
- Blockchain Technologies for Enhancing Data Security

- Federated Learning across Networks
- Explainable and Responsible AI in Networking Contexts
- Data Governance and Regulatory Compliance with AI Systems
- Industry Applications: Smart Cities, 5G/6G, Healthcare, Finance, and Manufacturing

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **"Applied AI for Smart Data Processing and Network Security"** *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 **"Applied AI for Smart Data Processing and Network Security" (session name)** at the top (above paper title) of the first page of your paper.

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