



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

Date: 31st October - 1st November, 2025

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

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

INTERNATIONAL WORKSHOP ON

AI and Machine Learning: Transforming Data Analytics for Global Impact and Intelligent Systems

WORKSHOP ORGANIZERS:

1. Dr. Sangeeta Kumari, Bennett University (Times Group), Greater Noida, U.P., India, Email: sangeeta.kumari@bennett.edu.in
2. Prof. Pierluigi Siano, University of Salerno, Fisciano, Italy, Email: amit.psiano@unisa.it
3. Prof. Zdzislaw Polkowski, Jan Wyzykowski University, Polkowice, Poland, Email: zdzislaw.polkowski@byd.pl

EDITORIAL BOARD: (Optional)

1. Dr. Sangeeta Kumari, Bennett University (Times Group), Greater Noida, U.P., India, Email: sangeeta.kumari@bennett.edu.in
2. Prof. Pierluigi Siano, University of Salerno, Fisciano, Italy, Email: amit.psiano@unisa.it
3. Prof. Zdzislaw Polkowski, Jan Wyzykowski University, Polkowice, Poland, Email: zdzislaw.polkowski@byd.pl

WORKSHOP DESCRIPTION:

This workshop session aims to explore the transformative impact of AI and Machine Learning in redefining data analytics across critical domains like healthcare and environmental sustainability. It highlights their significance in enhancing data analysis capabilities while addressing pressing global challenges, advancing intelligent computing methods, and fostering smart communication systems. The session provides a platform for researchers and practitioners to share insights, present novel approaches, and shape the future trajectory of innovation in these interconnected fields.

RECOMMENDED TOPICS:

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

- **AI-Driven Innovations in Healthcare Analytics**
Exploring the role of AI and ML in improving diagnostic accuracy, personalized medicine, and healthcare delivery.
- **Sustainable Solutions: Leveraging AI for Environmental Analytics**
Applications of AI in monitoring, managing, and mitigating environmental challenges, including climate change and resource conservation.

- **Intelligent Computing Techniques for Enhanced Data Analysis**
Advanced computing methods and algorithms that optimize data processing and decision-making.
- **Smart Communication Systems Enabled by Machine Learning**
Enhancing communication networks and systems through intelligent ML-based solutions.
- **Global Challenges and AI-Powered Insights**
Utilizing AI to address critical global issues, including public health crises, energy sustainability, and disaster management.
- **Future Directions in AI and Data Analytics**
Emerging trends, innovative methodologies, and prospective applications in interconnected domains of AI and data analytics.
- **Ethical AI and Responsible Machine Learning in Data Analytics**
Addressing the ethical considerations, fairness, and transparency in the use of AI and ML for critical applications.
- **Integration of Edge AI and IoT in Data Analytics**
Exploring the synergy between Edge AI, IoT, and ML for real-time data processing and decision-making in diverse sectors.

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this workshop theme session on **[workshop name] on or before [30th MAY 2025]**. All the 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.

LEAD WORKSHOP ORGANIZER:

[Name, University or Organization, Country, e-mail]

Dr. Sangeeta Kumari, Bennett University (Times Group), Greater Noida, U.P., India,

Email: sangeeta.kumari@bennett.edu.in

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