

# ICDAM-2024

## 5<sup>th</sup> International Conference on Data Analysis and Management

*Organized by London Metropolitan University, London, UK (Venue Partner)  
in association with*

*The Karkonosze University of Applied Sciences, Jelenia Gora, Poland, Europe  
&*

*Politécnico de Portalegre, Portugal, Europe  
&*

*BPIT, GGSIPU, Delhi  
Date: 15<sup>th</sup> - 16th June 2024*

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

### SPECIAL SESSION ON

**AI and Machine Learning in Transformative Data Analytics: Bridging Healthcare, Cybersecurity, and Environmental Sustainability**

### SESSION ORGANIZERS:

Dr. Harish Kumar Mittal, Principal and Head Deptt of CSE, B M Institute of Engineering and Technology, Sonapat, India [harish\_mittal@bmi.ac.in]

Dr Vishal Jain, Dean Academics and Head Deptt of ECE, B M Institute of Engineering and Technology, Sonapat, India [vishal\_dehradun@yahoo.com]

Dr. Suresh Vishwakarma, Senior Engineer at BC Hydro, Vancouver, British Columbia, Canada  
IET Representative - Western Canada [sureshvishwakarma@hotmail.com]

### SESSION DESCRIPTION:

This special session aims to explore the revolutionary impact of AI and Machine Learning in transforming data analytics across key domains of healthcare, cybersecurity, and environmental sustainability. It focuses on how these technologies are not only enhancing data analysis capabilities but are also addressing critical global challenges. The session will provide a platform for researchers and practitioners to discuss innovative approaches, share insights, and explore future directions in these interconnected fields.

### RECOMMENDED TOPICS:

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

- AI and Predictive Analytics in Personalized Healthcare
- Machine Learning Techniques in Genomic Data Analysis
- Cybersecurity Threat Detection using AI
- AI in Blockchain for Enhanced Network Security

- Sustainable Practices in Data Management
- AI and Machine Learning in Climate Change Prediction
- Ethical Implications of AI in Healthcare and Security
- AI-Driven Strategies for Disaster Management and Response
- Integration of IoT and AI for Smart Healthcare Solutions
- Green Computing and Energy-Efficient Data Analytics
- Energy Management and AI-Enhanced Smart Charging Systems for EV
- Predictive Maintenance in Electric Vehicles, Role of ML in EV Infrastructure Planning and Performance Optimization

#### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on AI and Machine Learning in Transformative Data Analytics on or before **15<sup>th</sup> April, 2024**. 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://icdam-conf.com/downloads>. All submitted papers will be reviewed on a double-blind peer-review basis.

**NOTE:** While submitting a paper in this special session, please specify **“AI and Machine Learning in Transformative Data Analytics: Bridging Healthcare, Cybersecurity, and Environmental Sustainability”** at the top (above paper title) of the first page of your paper.

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