



# 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*

*WSG University, Bydgoszcz, Poland, Europe*

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*Portalegre Polytechnic University, Portugal, Europe*

*&*

*BPIT, GGSIPU, Delhi*

*Date: 14<sup>th</sup> - 15th June 2024*

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

### SPECIAL SESSION ON

**RECENT ADVANCEMENTS IN BIG DATA ANALYTICS, DATA SCIENCES AND HIGH PERFORMANCE COMPUTING IN NEURAL NETWORKS**

### SESSION ORGANIZERS:

Dr. Preeti Nagrath, Dr. Rachna Jain

Associate Professor, Bharati Vidyapeeth's college of Engineering, New Delhi, India

Email ID: [preeti.nagrath@bharatividyaeeeth.edu](mailto:preeti.nagrath@bharatividyaeeeth.edu)

Associate Professor, Bhagwan Parshuram Institute of technology, New Delhi, India

Email ID: [rachnajain@bpitindia.com](mailto:rachnajain@bpitindia.com)

### SESSION DESCRIPTION:

The growth of data both structured and unstructured present challenges as well as opportunities for industries and academia over the next few years. With the explosive growth of data volumes, it is essential that real-time information that is of use to the business can be extracted to deliver better insights to decision-makers, understand complex patterns etc. Data Sciences employs techniques and theories drawn from many fields within the context of mathematics, statistics, computer science, and information science. The session is expected to provide an opportunity for the researchers to meet and discuss the latest solutions, scientific results and methods in solving intriguing problems in the fields of Big Data Analytics, Data Sciences and Neural Networks. The conference programme will include workshops, special sessions and tutorials, along with prominent keynote speakers and regular paper presentations in parallel tracks. Contributions are expected to present original research on Big Data Analytics, Data Sciences and Neural Networks with real world applications

### RECOMMENDED TOPICS:

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

- Foundations of big data processing
- Programming Techniques
- Analytics and Metrics
- Representation Formats

- Cloud Computing Techniques
- Mobile and Pervasive Computing
- Data Management
- Data Quality
- Social Network
- Protection, Integrity and Privacy
- Big data applications
- Feed forward neural networks
- Recurrent neural networks
- Self-organizing maps
- Artificial Neural Networks and Learning methods
- Attractor neural networks and associative memory
- Fuzzy neural networks
- Spiking neural networks
- Reservoir networks (echo-state networks, liquid-state machines, etc.) Large-scale neural networks
- Learning vector quantization
- Deep neural networks
- Randomized neural networks
- Other topics in artificial neural networks

**SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **“RECENT ADVANCEMENTS IN BIG DATA ANALYTICS, DATA SCIENCES AND HIGH PERFORMANCE COMPUTING IN NEURAL NETWORKS”** on or before

**March 12, 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 **RECENT ADVANCEMENTS IN BIG DATA ANALYTICS, DATA SCIENCES AND HIGH PERFORMANCE COMPUTING IN NEURAL NETWORKS** on or before **March 12, 2024** at the top (above paper title) of the first page of your paper.

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