

# ICDAM-2023

## 4<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: 23rd - 24th June 2023*

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

### SPECIAL SESSION ON

Impact of Cognitive services, systems and experimentations in Intelligent Information Technology

### SESSION ORGANIZERS:

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### EDITORIAL BOARD: (Optional)

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### SESSION DESCRIPTION:

Cognitive services and systems aims to integrate ideas, concepts, constructs, theories, models and techniques from across different disciplines and different perspectives on cognitive architectures - both brain-inspired and non-brain-inspired and the development and application of cognitive systems. Major challenges in information technology are in handling complex, ambiguous, inconsistent information terms and their ad-hoc

abbreviations. Cognitive computing is increasing its presence in all research area spanning the fields of computer science and engineering, electrical engineering, mechanical engineering as well as other engineering disciplines. Cognitive computing is a principle that embraces a range of policies, procedures, programs, and attitudes that run the length and breadth of any use of information technologies. It is a holistic approach that stretches from power to waste to purchasing to education and is a life-cycle management approach to the deployment of IT across an organization. The concept of this special issue considers total cost of ownership, the total impact, and the total benefit of Information technology systems.

The recent advances of cognitive services have brought about tremendous development to many areas in signal analysis and processing, including image/video processing, bioinformation and information data processing, classifications, health informatics, communication and networks. The goal of this special session is to bring forward the recent advancements in Information technology and computing. More specifically, it looks for the contributions into the state-of- the-art and approaches, methodologies, systems and innovative integration of information technology and cognitive research works.

### RECOMMENDED TOPICS:

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

- Cognitive computing inspired approaches in Information Technology
- Nature-Inspired smart hybrid systems for Information Interpretation
- Autonomous cognition and meta-cognition for Information analytics
- Robustness of the cognitive science techniques and Its improvement
- Artificial Intelligence methods for object detection and classification in information technology
- Gathering and management information from Sensor-enabled systems monitoring devices.
- Theoretical aspects of information privacy
- Intelligent Software Methodologies, Tools and Techniques
- Information Security using Machine Learning
- Machine Learning for Information Processing Techniques
- Deep learning and Artificial neural network for optimizing Information Processing

### SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on Impact of Cognitive services, systems and experimentations in Intelligent Information Technology *on or before 31.03.2023*. 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 [insert special session title] at the top (above paper title) of the first page of your paper.

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