



ICDAM-2024

5th 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

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BPIT, GGSIPU, Delhi

Date: 14th - 15th June 2024

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

SPECIAL SESSION ON

Emerging Trends in Computational Electronics and Communication Systems

SESSION ORGANIZERS:

1. Dr. Sangeeta Kumari, Bennett University (Times of India Group), Greater Noida, U.P., India, sangeeta.kumari@bennett.edu.in
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4. Dr. Kambiz Talebi, University of Tehran, Iran, ktalebi@ut.ac.ir

EDITORIAL BOARD: (Optional):

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2. Dr. Pramod Kumar, Manipal Institute of Technology, Karnataka, India, p.kumar@manipal.edu
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SESSION DESCRIPTION:

Emerging Trends in Computational Electronics and Communication Systems encompasses a dynamic field at the intersection of electronics, computational science, and communication technologies. This area continually evolves with advancements in hardware, software, and interdisciplinary research. Computational electronics aspect deals with the simulation, modeling, and analysis of electronic devices and circuits using computational methods. With the miniaturization of electronic components reaching the atomic scale, nano-electronics and quantum computing are becoming prominent. Machine learning and artificial intelligence techniques are being increasingly utilized in computational electronics and communication systems for tasks such as system optimization, signal processing, and predictive maintenance. Emerging trends include the development of intelligent algorithms for resource allocation, spectrum management, and autonomous operation of electronic and communication systems.

RECOMMENDED TOPICS:

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

- Cognitive Communications
- Electromagnetic Remote Sensing
- Signal Processing for Communication & Networking
- RF Antenna Modeling and Design
- Quantum Signal Processing
- Machine and Deep Learning for Remote Sensing Applications
- Unmanned Aerial Vehicle Networks
- Reconfigurable Wireless Networks

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[Emerging Trends in Computational Electronics and Communication Systems on or before 20th Feb 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 **[Emerging Trends in Computational Electronics and Communication Systems]** at the top (above paper title) of the first page of your paper.

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