



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

New Trends and Future Challenges in Computational Imaging and Wireless Communication

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional):

Dr. Tanweer Ali is serving as an Associate Editor of the Following Journals

1. Frontiers in Antenna and Propagation, Frontiers Publisher
2. Micromachines, MDPI Journal
3. Journal of High Frequency Communication Technology

Dr. Jaime Anguera is serving as an Associate Editor of the Following Journals:

1. IEEE open Journal of Antenna and Propagation, IEEE Publisher
2. IET Electronics, Wiley Publisher
3. AEU- International Journal of Electronics and Communication, Elsevier
4. International Journal of Antenna and Propagation, Wiley Publisher
5. Fractal and Fractional, MDPI Publisher

SESSION DESCRIPTION:

The development of fast, accurate, and reliable techniques for solving large-scale complex inverse scattering problems is a fundamental challenge because of its importance in several application scenarios, including biomedical imaging, subsurface prospecting, through-the-wall imaging, non-destructive testing and evaluation, structural health monitoring and wireless communication. The relevance and interest of academic and industrial research in such areas is driven by several concurring factors, including increased availability of cost-effective data acquisition processes and measurement technologies, computing architectures suitable for large-scale processing, numerically efficient and robust computational imaging methodologies exploiting original formulations, innovative information processing strategies, and new regularization techniques. In this framework, this special session is aimed at highlighting the challenges, current trends, and most recent advances in computational imaging and wireless communication.

RECOMMENDED TOPICS:

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

- Higher Order Spectral Analysis
- Machine Learning for Image and Signal Processing
- Remote Sensing Imaging
- Antenna Engineering including MIMO, Array, and millimeter wave Applications.
- Photonics
- Cognitive Communications
- Electromagnetic Interference
- Future Internet Architecture
- QoS for Emergency Applications

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[New Trends and Future Challenges in Computational Imaging and Wireless Communication on or before 5th, March, 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 **[New Trends and Future Challenges in Computational Imaging and Wireless Communication]** at the top (above paper title) of the first page of your paper.

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