

ICDAM-2022
International Conference on Data Analysis and Management
Organized by THE KORKONOSZA UNIVERSITY OF APPLIED SCIENCE
On 25th - 26th June, 2022

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

SPECIAL SESSION ON

“Innovations in New Age Computational Science and Applied Mathematics (INACSAM)”

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

Computational Science and Applied mathematics is a new and rapidly growing multidisciplinary field that applies advanced computational methods and analysis to engineering practice. This is an innovative discipline fusing the expertise of established engineering fields, computational sciences, and applied mathematics. It is fulfilling an increasing demand for high performance computing in a variety of scientific and technical fields to face new challenges in simulation and modelling. The aim of this special issue on **Innovations in new age Computational Science and Applied Mathematics** is to provide a platform for academicians, researchers, engineers, practitioners across the world to share their research findings, new ideas, knowledge and practical challenges encountered in this field.

This special session is intended to cover state-of-the-art research paradigms, research challenges & issues and other leading technologies in the interdisciplinary fields such as Machine Learning, Computer Vision, Big Data Analytics, Soft Computing, IOT and Cloud Computing and Mathematical Modelling. This special session invites high quality research contributions, state-of-the-art reviews and original research papers (based on theoretical analysis and practical applications) from industry and academia for addressing real and complex issues and challenges related to the society and technology.

RECOMMENDED TOPICS:

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

- **Evolutionary Algorithms and Nature Inspired Computing**
- **Artificial Neural Networks Applications**

- Fuzzy Systems
- Computer Vision
- Machine Learning Algorithms
- Deep Learning and its Applications
- Pattern Recognition
- Information Retrieval
- Natural Language Processing
- Artificial Intelligence and Decision Support System
- Human Computer Interaction
- Optimization Techniques
- Big Data Analytics
- Mathematical Modeling
- Data, Text and Graph mining
- Social Media Mining
- Sentiment Analysis
- Social Network Analysis
- Wireless Sensor Networks
- Security and Privacy issues
- Software Engineering
- Smart Computing
- Internet of Things
- Cloud Computing and Virtualization

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on ‘**Innovations in New Age Computational Science and Applied Mathematics (INACSAM)**’ on or before **20th April 2022**. 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 http://icdam-conf.com/paper_submission.html . All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Innovations in New Age Computational Science and Applied Mathematics (INACSAE)**] at the top (above paper title) of the first page of your-paper.

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