

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

Deep Learning Technologies: Architecture, Optimization, Techniques, and Applications

SESSION ORGANIZERS:

[Name, University or Organization, Country, e-mail]

1. Dr.Dhanya N M, Assistant Professor(S.Gr), Computer Science and Engineering Department, Amrita Vishwa VidyaPeetham, India, nm_dhanya@cb.amrita.edu
2. Dr.Sikha O K, Assistant Professor(Sr.Gr), Computer Science and Engineering Department, Amrita Vishwa VidyaPeetham, India, ok_sikha@cb.amrita.edu
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5. Dr. Nickolas. S, Professor, Dept of computer applications, NIT Trichy, India, nickolas@nitt.edu

EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

With a massive amount of data being generated by an increasing number of applications and industries, Artificial Intelligence and Deep learning will be the major technology for analyzing such kinds of data. Deep learning is one of the research topics that attract a lot of attention from researchers in academia and industry. Compared to traditional machine learning methods, deep learning algorithms demonstrate their ability to train models from large-volume data sets. Also, those algorithms have significantly surpassed the performance of traditional methodologies for computer vision, natural language processing, robotics, and other fields. In recent years, a variety of theories and algorithms have advanced significantly in the field of artificial intelligence, including neural network structure, optimization, data representation, and deep reinforcement learning. Deep learning applications in the field of Agriculture, Smart city transportation, bioinformatics, financial technology, e-business, IoT etc. are the latest additions to the field of artificial intelligence. However, how to enhance the performance and efficiency of these deep learning techniques is one of the biggest challenges for implementing these real-time applications. All these leads to the special session on **Deep Learning Technologies: Architecture, Optimization, Techniques, and Applications**.

The proposal for this Special Issue is about the latest theoretical and practical applications of deep learning. The purpose of our Special Issue is to contribute to the demonstration of innovative algorithms and application areas of deep learning to solve problems in various research domains.

RECOMMENDED TOPICS:

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

1. Deep learning for vision
2. Deep learning for NLP
3. Optimization algorithms for Deep learning
4. Deep learning for data analyses
5. Deep learning for data management
6. Deep Learning for Agriculture
7. Deep learning for transportation
8. Deep learning for geographical information systems
9. Deep learning for financial technology
10. Deep learning for bioinformatics
11. Deep learning for business intelligence
12. Deep learning for e-business, m-commerce, and social-commerce
13. Deep learning for enterprise systems and supply chain integration
14. Deep learning for Internet of things
15. Techniques to improve computational efficiency such as neural network compression, efficient neural network architecture design, high performance architecture design and
16. software implementation optimization.
17. Zero shot/ few shot learning
18. Continual learning, learning with humans in the loop

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[insert special session topic]** *on or before* **[insert due date]**. 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 **[insert special session title]** at the top (above paper title) of the first page of your paper.

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