Special Session on

Modern Advancements in Intelligent Data Analytics, Communications and Information Security

in conjunction with

23rd International Conference on Hybrid Intelligent Systems (HIS 2023)

December 12-14, 2023

Website: http://www.mirlabs.org/his23

Hybrid Mode – Online & Offline

Onsite Venues: http://mirlabs.org/his23/venue2.php

Objectives and Scope:

The field of data analytics has seen tremendous growth in recent years, with the development of machine learning and deep learning models in a variety of fields. This growth has led to new challenges for future data analytics applications, which will need to be able to handle human-to-machine and machine-to-machine interactions in real-time. In order to meet these challenges, data analytics applications will need to combine computational applications with machine learning and deep learning capabilities. Data analytics also provides an interdisciplinary framework that can be used to solve real-world problems collaboratively. This is especially important in the digital era, where a lot of important data is being transacted online, leading to issues related to data integrity and security. This session is an effort to bring together researchers working at the intersection of data science, communication, information security, data mining, machine learning, deep learning, evolutionary computation, optimization, and reinforcement learning. It will provide a high-level view of the current state of the art in these fields and potential directions for future contributions.

Subtopics:

The topics include, but are not limited to:

- Quantum Computing
- Data Mining
- Text Analytics
- Log Streaming
- Medical Imaging
- Network Traffic Pattern Mining
- Intelligent Transportation System
- Cloud computing
- Information security

- Communication techniques
- Biomedical image Processing
- Speech Processing
- Wireless Sensor Network
- Flying Ad-Hoc Network
- Crypto-processor
- 5G Communication
- 6G Techniques
- IoT based applications
- Embedded Security
- Hardware Security
- Optical Steganography
- Multivariate Cryptography
- DNA Cryptography
- Cloud Security
- Data Analytics for Healthcare, Finance, Marketing and Social Media

Paper publications:

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (https://www.springer.com/series/15179)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324
- Submission Link: http://www.mirlabs.org/his23/submission.php

Important Dates
- Paper submission due: **September 30, 2023**
- Notification of paper acceptance: **October 31, 2023**
- Registration and Final manuscript due: **November 10, 2023**
- Conference Date: **December 13-15, 2023**

Special Session Chair(s)

- Dr. Vijayakumar Peroumal, Professor, School of Electronics Engineering, Vellore Institute of Technology, Chennai, Tamil Nadu, India.
- Dr. Sai Kiran Oruganti, CEO, Technology Innovation Hub, Indian Institute of Technology Patna, India.
- Dr. Saleem Basha, Associate Professor, Computing and Informatics, Mazoon College, Oman.

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