



Fourth International Conference on Data Sciences and Applications (ICDSA 2023) JULY 14-15, 2023



Organized in Hybrid Mode by

Malaviya National Institute of Technology Jaipur, India and Soft Computing Research Society

Fourth ICDSA 2023, aims to bring together leading academicians, scientists, researcher scholars, UG/PG graduates from all over the world to exchange and share their research advancements. It targets to provide a state-of-the-art platform to discuss various aspects of Models and Algorithms, Signal and Image Processing, Data Science, Data Analytics in Communication and Data Science applications. The conference proceeding of the ICDSA 2023 will be published in **SCOPUS Indexed Springer Book Series, 'Lecture Notes in Networks and Systems'** (Approval Pending).

Call for Paper: The topics covered (but are not limited to) in the conference are as follows:

Data Science: Pattern recognition, Non-linear Statistical Models, Data handling and Visualization, Time series forecasting, Optimization Techniques, Data Mining Techniques, Smartphone Sensing based Application, Big Data applications, Computer Vision, Natural Language Processing, Human and Social Behaviour Analysis, Robotics and Embedded Systems, Applied mathematics and informatics, Predictive analytics and Segmentation, Data compression, Data clustering, Classification, Blockchain Technology.

Models and Algorithms: Data Fusion Models, Cognitive computing, Probabilistic Reasoning, Supervised and Unsupervised Learning, Reinforcement Learning, Neural Networks, Self-Organizing Maps, Support Vector Machine, Machine Learning techniques, Deep Neural Networks, Fuzzy Set Theory, Fuzzy Logic based computing, Nature Inspired Optimization, Evolutionary Computation, Swarm Intelligence, Genetic Algorithms, Ant Colony Optimization, Natural language processing, Multi and Many-objective Optimization.

Signal & Image Processing: Digital Signal Processing, Adaptive Signal Processing, Multi-rate signal Processing, Audio and speech signal Processing, Wavelet transform, S Transform, Image Processing techniques, Image segmentation, Detection and Estimation algorithms, Remote Sensing Image Analysis, Biomedical Signal and Image analysis, Radar and Sonar Signal Processing, Seismic Signal processing, VLSI architectures for Signal Processing.

Data Analytics in Communication: Data handling in Digital Communication, Data acquisition and processing in Wireless and Mobile Communication, Data in Optical Communication, Data in Satellite Communication, Data in Underwater Communication, Data in Software Defined Radio and Cognitive Radio, Data in 4G and 5G Architectures and applications, 6G, Data analysis in Antenna and Wave Propagation, Data in Wireless Sensor Networks.

Data Science Applications: Data Granularity, Large Scale Optimization, Digital marketing and analysis, Bioinformatics, Power system analysis, Intelligent System Design, Expert Systems, Internet of vehicles, Electric Vehicles, Robotics and automation, Internet of everything, Data curation, Data privacy, Data Security, Industrial applications, Industry 4.0, Computational Finance, Agriculture and environment, Seismicity Analysis, and other applications.

Paper Submission: Electronic submission of papers for ICDSA 2023 will be required through the Conference website link: <https://scrs.in/conference/icdsa23> through Microsoft CMT link <https://cmt3.research.microsoft.com/ICDSA2023>

At least one of the authors of an accepted paper needs to register for the conference and to present the paper(s), through an Online Mode presentation. All manuscripts should be prepared in the following Springer's Book Chapter template.

Important Dates:

May 04 2023	Last date for full-length submission
June 13 2023	Notification of acceptance
June 28 2023	Registration of accepted papers
July 14 –15 2023	ICDSA 2023, MNIT Jaipur, Rajasthan, India



About MNIT Jaipur:

Malaviya National Institute of Technology Jaipur is one of the oldest NITs which has a rich heritage of sixty years producing world class engineers, scientists, managers and architects. The institute is ranked 42th in the National Institutional Ranking Framework (NIRF-2022) under the category Engineering (Research and Teaching). The MNIT was established in 1963 with the name Malaviya Regional Engineering College, Jaipur as a joint venture of the Government of India and the Government of Rajasthan, Subsequently; on June 26, 2002, the college has been given the status of National Institute of Technology and on 15 August 2007, Proclaimed Institute of National Importance through Act of Parliament. The Institute is fully funded by the Ministry of Education (Shiksha Mantralaya), Government of India. More than 12,000 students have already been graduated since its establishment. Extending into an area of over 317 acres of lush greenery, the campus of the Institute is imaginatively laid-out with a picturesque landscape. It presents a spectacle of harmony in modern architecture and natural beauty which enthralls and inspires. The vision of MNIT Jaipur is to create a center for imparting technical education of international standards and conduct research at the cutting edge of technology to meet the current and future challenges of technological development.

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