ICDMAI

SDS SOCIETY FOR DATA SCIENCE

8TH INTERNATIONAL CONFERENCE ON DATA MANAGEMENT, ANALYTICS & INNOVATION

19–21 JANUARY 2024

Flagship Conference of Society for Data Science

IN ASSOCIATION WITH

DRDO · MINISTRY OF DEFENCE · ARAD · Springer · NIELIT

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REGISTRAR

We, the Organizing Chairs of the Conference, are delighted to invite you to the 8th International Conference on Data Management, Analytics, and Innovation (ICDMAI 2024). The conference will be held in virtual mode from 19th to 21st January 2024. ICDMAI is the flagship conference of the Society for Data Science (S4DS), a non-profit professional association that fosters collaboration among technical experts from Industry, Academia, Government Labs, and Professional Bodies to promote Data Science innovation.

The vision of ICDMAI 2024 is to enhance data management and analytics through global collaboration and innovative methodologies. Our mission is to facilitate research, resources, and education in line with the conference's theme. The primary goal is to promote research and developmental activities in Data Science, while also fostering scientific information exchange among researchers, developers, engineers, students, and practitioners from India and abroad.

VELLORE INSTITUTE OF TECHNOLOGY

Vellore Institute of Technology (VIT) - Empowering Excellence.
Established in 1984 as Vellore Engineering College, VIT has rapidly evolved into a world-class university, earning university status in 2001. Recognized by the Government of India as an Institution of Eminence (IoE), VIT stands at the forefront of academic brilliance, research, and innovation.

- QS World University Rankings 2022: Engineering and Technology subjects ranked 346th globally and 9th in India.
- NAAC Accreditation: A++ grade in the 4th cycle for academic excellence.
- Shanghai ARWU Ranking 2022: VIT is one of the top 3 institutions of India and within the top 601-700 Universities of the world
- NIRF Ranking 2023: 11th best institution in India for Research and Engineering.
- QS-Asia University Rankings 2022: Top 200 in Asia.

SCHOOL OF ADVANCED SCIENCES

School of Advanced Sciences (SAS), which was established in the year 1984, comprises Mathematics, Physics, and Chemistry departments. The vision of the School is to provide quality teaching and research, which would make an impact at a global level. The School consists of a total of 277 experienced and energetic faculty, which includes 134 in Mathematics, 66 in Physics, and 78 in Chemistry. The research activities, publications and fruitful interactions with the industry are a testimonial to the expertise of the faculty in VIT.

FACULTY CO-ORDINATORS

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DEAN, SAS

Dr. M S Jagadeeshkumar
*Professor and
HoD Mathematics*

Dr. Peri K.Kameswaran
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Assistant Professor

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TRACKS AND TOPICS

Eighth International Conference on Data Management, Analytics and Innovation (ICDMAI – 2024) solicit papers in data mining, machine learning, generative AI, AI for social impact, robust and ethical AI, data engineering and other enabling technologies. Original, unpublished research papers highlighting specific research domains from all viewpoints are invited from delegates all over the globe. All papers will be reviewed through a double-blind peer review process. We encourage papers that focus on intersections of data science and other disciplines, such as but not limited to social sciences, humanities, natural sciences, and engineering. It is planned to submit the selected and presented papers in the proceedings with SPRINGER in their prestigious Lecture Notes in Networks and Systems, which is indexed in Scopus, Web of Science and ISI. Look forward to your contributions and to seeing you at ICDMAI 2024.Following are the topics of interest but not limited to:-

MACHINE LEARNING

1. Algorithms and Models
2. Feature Engineering
3. Supervised Learning - Classification, Regression
4. Unsupervised Learning
5. Semi-supervised Learning
6. Association rule Mining
7. Recommendation System
8. Spatio Temporal Learning
9. Time Series Data

AI & DEEP LEARNING

1. Heuristic Search, nature inspired search
2. Fuzzy and Rough Set
3. Reinforcement Learning
4. ANN and Deep Neural Networks
5. RNN, CNN, RBM, Transformer
6. Auto Encoder, GAN, Transfer Learning
7. Generative AI
8. Application in Computer Vision, Natural Language Processing
9. AI based on capabilities: Narrow AI, General AI, Super AI
10. AI based on functionalities: Reactive machine, Limited Mind, Theory of Mind
11. Other research Issues and Interdisciplinary applications in Science, Social Science and Humanities

DATA ENGINEERING

1. Data warehouse and Data Lakes
2. AI for Database Systems
3. Data Stream Systems and Edge Computing
4. Database technology for AI
5. Explainability, Fairness, and Trust in Data Systems and Analysis
6. Graphs, Networks, and Semi-Structured Data
7. Uncertain, Probabilistic, and Approximate Databases

DATA ANALYTICS AND UTILITY

1. Data Visualisation techniques
2. Image Processing Techniques for detection of disease
3. Applying Text Analysis to understand research articles to get a better understanding of the Research Literature
4. Drug Discovery and Genomic Sequencing
5. Communication using 5G
6. Social Media and SCM Analytics
7. Predictive Analytics
8. Prototype Evaluation
9. AI for Social Impact
10. Robust and Ethical AI
11. Anomaly Detection and Explanation, Model Misspecification Detection and Explanation

ENABLING TECHNOLOGIES

1. Quantum Databases
2. Quantum Machine Learning
3. Quantum Artificial Intelligence
4. Decentralised Applications
5. Edge Computing
6. Blockchain
7. Metaverse
8. 6G technology
9. IoT and Robotics
10. Big Data and Cloud
11. Digital Twin

ICDMAI 2024 PAPER SUBMISSION LINK: https://icdmai.org/paper_submission

REGISTRATION

Every accepted article / research paper should be registered by at least one author to attend the conference. The acceptance list of article / research paper will be announced on the website and the authors will be intimated regarding the acceptance through e-mail. The details about registration fee are given below:

Registration fees for Paper Presenters:
https://icdmai.org/registration

Category	Early Bird Registration till 31 Oct 2023		Registration Fee from 1-30 Nov 2023		Onsite Registration Fee (only for Co-Author)	
	Indian (INR)	Others (US $)	Indian (INR)	Others (US $)	Indian (INR)	Others (US $)
Students						
S4DS Member	6000	200	6500	250	7000	350
Other	6500	250	7000	350	7500	450
Research Scholar						
S4DS Member	7000	250	8000	350	9000	500
Other	8000	350	9000	500	10000	600
Academician						
S4DS Member	8500	350	9500	450	10500	650
Other	9500	450	10500	550	12000	750
Industry Professionals						
S4DS Member	10000	450	12000	500	14000	800
Other	12000	500	14000	650	15000	950

Registration fees for LISTNERS
https://icdmai.org/reg_for_listener

Category	Registration Fee for Listeners (Valid on 19-21 January 2024)	
	Indian (INR)	Others (US $)
Students		
S4DS Member	2500	100
Other	3000	125
Research Scholar		
S4DS Member	3000	125
Other	3500	150
Academician and Industry Professionals		
S4DS Member	3500	150
Other	4000	175

Registration fees for Tutorials
https://icdmai.org/reg_for_listener

Category	Pre-Conference Registration Fee (Valid on 19 January 2024)	
	Indian (INR)	Others (US $)
Students		
S4DS Member	1250	50
Other	1500	75
Research Scholar		
S4DS Member	1500	75
Other	2000	100
Academician and Industry Professionals		
S4DS Member	2000	100
Other	3000	125

1. Only registered delegates can attend the conference.
2. In order to include the selected paper in Conference Proceedings, at least one author has to register and present his/her paper at the conference.
3. If multiple authors of selected papers wish to attend, they are requested to register separately & will not be entertained as accompanying persons.
4. Student delegates are requested to attach a letter from the HOD/Dean/Principal/Research Guide verifying their full-time student status.
5. PG Students and PhD Scholars will be considered under Research Scholar Category.
6. Registered candidates cannot claim for refund on their absence in the conference.

Attractions of ICDMAI 2024 are:

1. Get a Discount on S4DS Membership and Receive all our publications for free
2. Networking with S4DS ecosystem and an opportunity to interact with experts from leading corporate houses and premier academic institutions.
3. S4DS members get priority access & discount on our flagship conference ICDMAI 2024.

To know more on paper submission guidelines & format please click on (www.icdmai.org).
For queries please feel free to contact us on below contact details or write to us at

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