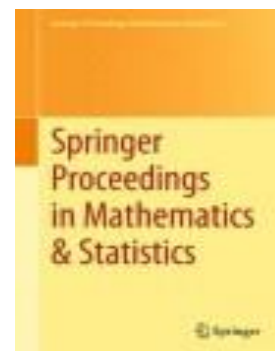


2nd International Conference on Data Science and Artificial Intelligence (ICDSAI) 2023

24-25th April 2023
(Online)



<https://icdsai2023.iaasse.org/>

Conference Proceedings

ALL ACCEPTED & PRESENTED papers will be published in SCOPUS indexed PROMS

<https://www.springer.com/series/10533>

Session – 7

Computational Intelligence for Machine Learning, Internet of Things, IIOT



Dr. Y. Ramesh

Professor & HOD,
Department of Information Technology,
Aditya Institute of Technology and
Management (A), Tekkali,
JNTU Kakinada, Andhra Pradesh, India

+91 9849765747, 7989799468

 rameshyegireddi@gmail.com



K.S.N. Murty

Assistant Professor,
School of Management Studies,
M.R. P.G College(A), Vizianagaram,
Andhra University Visakhapatnam,
Andhra Pradesh, India

+91 9491320403

 snmurtyk@gmail.com



Dr. Vamsi Bandi

Assistant Professor. Dept. of AI & DS.
Madanapalle Institute of Technology &
Science (MITS), Madanapalle,
JNTU Anantapuramu,
Andhra Pradesh, India

+91 9618912959


 vamsib11@gmail.com



T. Thirupatirao

Assistant Professor,
Lendi Institute of Engineering and
Technology(A), Vizianagaram,
JNTU Kakinada,
Andhra Pradesh, India

+91 9390180360, 9581083389

 thirupatiraotirlingi@gmail.com



Dr. Rajendra Kumar Ganiya

Professor, Dept. of CSE,
Vignans Institute of Information
Technology(A), Visakhapatnam,
JNTU Kakinada,
Andhra Pradesh, India

+91 939311075

 rajendragk@rediffmail.com



Dr. Applu Srinivasu Muttipati

Associate Professor, Department of CSE,
Anil Neerukonda Institute of Technology &
Sciences (A), Visakhapatnam
Andhra Pradesh, India

+91 8341645858

 srinivasum.csm@anits.edu.in

ICDSAI 2023 aims to provide a forum for researchers from both academia and industry to share their latest research contributions, future vision in the field, and potential impact across industries of Data Science and Artificial Intelligence.

Join us, 24-25 April 2023, to explore discovery, progress, and achievements related to various Data Science and Artificial Intelligence. The ICDSAI 2023 will provide its attendees with an uncommon opportunity to expand their network beyond their immediate professional environment. It is a unique chance to work with other accomplished individuals from diverse areas toward the common goal of shaping the future of communication, computing, and society.

<https://icdsai2023.iaasse.org/sessions.html>



Topics of interest include, but are not limited to, the following

Artificial Intelligence and Its Applications

- Artificial Intelligence and Automation,
- Machine Learning, Data Science and Big Data,
- IOT, IIOT , IIOT 4.0, IIOT 5.0 Blockchain and Security,
- AI for Space Sciences and Applications
- Cryptography and Quantum Computing,
- Data Communications and Networks, 5G, 6G, Social Networks,
- Internet of Things and Its Applications, IIoT 4.0 and Embedded Systems,
- Computational Biology and Bio-Medical Informatics,
- AI for Neuroscience Applications
- Image, Signal Processing, and Multimedia,
- Cognitive Science and Algorithm Design
- Augmented Reality and Virtual Reality
- Cloud computing and Soft, Fog, Edge, Grid Computing, Internet and Web Applications.
- E-Commerce, E-Governance, and Game Theory and Applications
- Experimental Simulation and Modelling Techniques
- Intelligent Systems Architecture and advanced Holographic Projections

Submission : <https://equinocs.springernature.com/service/ICDSAI2023>



* Important Dates / Deadlines / FEES *

- Submission of **Paper** : **March 31, 2023**
- Notification of **Acceptance** : **April 07, 2023**
- Early Bird Registration** : **April 07, 2023**
- Oral Presentation** of selected works : **April 24-25, 2023**
- Submission of **Final paper** : **May 31, 2023**



The ICDSAI 2023 registration fees are as follows, and must be paid in USD or in local currency as per the current exchange rate.

Important Dates and Registration Fees

Category	Early Bird: on or before April 10, 2023		Regular Registration: April 11, 2023 - Till April 15, 2023		Spot Registration: April 24, 2023	
	IAASSE Members	Non Members	IAASSE Members	Non Members	IAASSE Members	Non Members
Full Time Students	70.00	95.00	95.00	125.00	120.00	150.00
Faculty/ Research Scholars	95.00	120.00	120.00	145.00	145.00	165.00
Industry	110.00	135.00	135.00	160.00	160.00	180.00

Submission Guidelines

Papers reporting original* and unpublished research results pertaining to the related topics are solicited. *(papers with plagiarism more than 30% will be outrightly rejected)

- **Full paper manuscripts must be in English of up to 10 pages as per format.**

For authors convenience, Springer has summarized in the Author Guidelines document how a proceedings paper should be structured, how elements (headings, figures, references) should be formatted using our predefined styles, etc. The PDF of the Authors Guidelines can be downloaded from the given link or as part of the zip files containing the complete sets of instructions and templates for the different text preparation systems.

Springer has developed LaTeX style files and Word templates to help prepare paper. LaTeX is the preferred format for texts containing several formulae, but Word templates are also available on the following link



Topics of interest include, but are not limited to, the following

Machine Learning & Deep Learning

- ? Deep & Machine Learning Architecture for medical diagnosis
- ? Conventional Neural Networks for the classification of the images
- ? An insight into the variance of ML&DL algorithms and their applications
- ? Federated machine learning concepts and applications in the healthcare sector
- ? Optimization of deep learning networks
- ? Machine learning for critical healthcare
- ? ML & DL for industrial applications
- ? New methods for soft computing linked with deep learning
- ? Computational intelligence in the detection and the diagnosis of clinical bio-medical images
- ? Bio-inspired computing-based deep neural networks
- ? ML & DL for image segmentation and reconstruction
- ? Pattern recognition and Integration of AI and IoT for the prediction and analysis of health records

Computer Networks

- ? Next Generation Internet and Web Architectures
- ? Modeling & Simulation of communication Networks and Systems

<https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines>

Submissions should **NOT** include the author(s), affiliation(s), e-mail address(es), and postal address(es) in the manuscripts. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Paper submission implies the intent of at least one of the authors to register and present the paper, if accepted.

Presentation through Virtual Platform

Amid prevailing conditions due to COVID19, a virtual meeting platform may be made available for all registered authors who intend to submit their work but are unable to attend the conference. Authors may register and present their paper through the virtual platform.

Authors shall be sent a Certificate of Participation, Conference Proceedings link and relevant literature by mail

- ? Mobile Networks & Wireless LAN
- ? New Network Architectures
- ? Network-Based Emerging Applications
- ? Network Protocols and Wireless Networks
- ? Big data/Cloud computing and networks
- ? QoS and Resource Management in Networks
- ? Routing, Switching, and Addressing Techniques
- ? Self-Organizing Networks and Networked Systems
- ? 5G/6G cellular systems and heterogeneous networks
- ? Artificial Intelligence (AI) and Autonomous Networking
- ? Vehicle-to-everything (V2X) and autonomous cars
- ? Wireless Multimedia Systems
- ? Recent Trends in Computer Networks

Internet of Things

- ? 5G Networks and IoT
- ? IoT and Personal Data Protection
- ? IoT Interoperability and Multi-Platform Integration
- ? Sensor and Actuator Networks
- ? IoT Protocols and Standards
- ? Wearables, Body Sensor Networks, Smart Portable Devices

- 7 Routing and Control Protocols
- 7 Edge Computing, Fog Computing, and IoT
- 7 Industrial IoT and Factory of Things and Internet of Things
- 7 Smart Home, Smart Cities, Smart Public Places
- 7 Smart Vehicle Automation
- 7 Smart Agriculture and Water Management
- 7 Smart factories and Industry 4.0
- 7 e-Health, Assisted
- 7 Living and e-Wellness
- 7 Smart Grid, Energy Management
- 7 Crowd-sensing, human-centric sensing
- 7 Big data and IoT Data Analytics
- 7 Mobile Cloud Computing (MCC) and IoT
- 7 Design principles and best practices for IoT application development

- 7 Emerging techniques and algorithms in Cryptography
- 7 Digital Signature Techniques
- 7 Big Data Techniques in Cyber Security
- 7 Forensic Analysis of Cyber Crimes
- 7 Secure Design, Tooling, and Engineering
- 7 Database security
- 7 Advance Security techniques
- 7 Cloud security
- 7 Security & Privacy for Emerging Technologies: VoIP, Social Networks
- 7 Cyber-Physical systems
- 7 Gaming Application Security
- 7 Cyber Security and AI
- 7 Malicious cryptography
- 7 Security-as-a-service
- 7 IIoT security and privacy

Submission : <https://equinocs.springernature.com/service/ICDSAI2023>



*** Important Dates / Deadlines / FEES ***

- Submission of **Paper** : **March 31, 2023**
- Notification of **Acceptance** : **April 07, 2023**
- Early Bird Registration** : **April 07, 2023**
- Oral Presentation** of selected works : **April 24-25, 2023**
- Submission of **Final paper** : **May 31, 2023**
- Online Paper Tentative** : **July 31, 2023**



The ICDSAI 2023 registration fees are as follows, and must be paid in USD or in local currency as per the current exchange rate.

Important Dates and Registration Fees

Category	Early Bird: on or before April 10, 2023		Regular Registration: April 11, 2023 - Till April 15, 2023		Spot Registration: April 24, 2023	
	IAASSE Members	Non Members	IAASSE Members	Non Members	IAASSE Members	Non Members
Full Time Students	70.00	95.00	95.00	125.00	120.00	150.00
Faculty/ Research Scholars	95.00	120.00	120.00	145.00	145.00	165.00
Industry	110.00	135.00	135.00	160.00	160.00	180.00

Submission Guidelines

Papers reporting original* and unpublished research results pertaining to the related topics are solicited. *(papers with plagiarism more than 30% will be outrightly rejected)

- **Full paper manuscripts must be in English of up to 10 pages as per format.**

For authors convenience, Springer has summarized in the Author Guidelines document how a proceedings paper should be structured, how elements (headings, figures, references) should be formatted using our predefined styles, etc.

The PDF of the Authors Guidelines can be downloaded from the given link or as part of the zip files containing the complete sets of instructions and templates for the different text preparation systems.

Springer has developed LaTeX style files and Word templates to help prepare paper. LaTeX is the preferred format for texts containing several formulae, but Word templates are also available on the following link

<https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines>

Submissions should **NOT** include the author(s), affiliation(s), e-mail address(es), and postal address(es) in the manuscripts. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Paper submission implies the intent of at least one of the authors to register and present the paper, if accepted.



**** About Session Chairs ****

Mr. K.S.N. Murthy is working as an Assistant Professor in the School of Management Studies, M.R. P.G. College(A), Vizianagaram, Completed M.Sc Mathematics and M.B.A from pondicherry central university..M.Phil from Sri Venkateswara university-Tirupathi. Ph.d from Gitam University. Having 16 years of experience in Teaching. Published more than 10 papers. Attended various national and international conferences. Attended FDP in research methodology conducted by IIM VIZAG. Research area is Fuzzy Optimization and Fuzzy Decision Making.

Dr. Rajendra Kumar Ganiya, Professor of Computer Science and Engineering, Vignan's Institute of Information Technology, Visakhapatnam-530049, A.P, India, has been awarded with Doctor of Philosophy from the Department of Computer Science and Systems Engineering, Andhra University, Visakhapatnam in 2015. He is a consummate professional with a vast experience of 22 years of service in the fields of Teaching, Research, Industry and Administration. He is a visionary technocrat involved in various research experiments and 45 Research Papers were published in highly reputed and referred national and international journals like SCI, SCOPUS and WOS. For his scholarly research and eminence, he received several awards, scholarships, patents and grants. He has won accolades for his works from renowned Institutions and organizations. As a versatile and vibrant personality, he is associated with Life-Time Member in various professional bodies like CSI, ISTE, ISC, IE, and IAENG. He has actively participated and conducted National and International workshops, seminars, faculty development programs and conferences. He has acted as resource person and has given invited talks both within the institution and outside. To his credit, he has guided more than 100 UG&PG Projects. His Research Interest includes Communication Networks, Cognitive Science, Nano Technology, Bio Medical and Human Computer Interaction.

Dr. Vamsi Bandi is currently working as an Assistant Professor in the Department of AI&DS at Madanapalle Institute of Technology and Science(Autonomous), Madanapalle, Permanently affiliated with Jawaharlal Nehru Technological University Ananthapuramu, Andhra Pradesh, India. He completed his Bachelor in Technology-IT (B.Tech) from Acharya Nagarjuna University and Master of Technology-CST (M.Tech) from Andhra University. He completed his Doctor of Philosophy (Ph.D.) (In the filed of Machine Learning, Deep Learning) in Information Technology from the Lincoln University College Malaysia. He published 12+ Research papers in various reputed (UGC-approved, Scopus/ Web of Science) International and National Journals and conferences. He participated in 5 international conferences, 15 international and national workshops, and 8 FDPs. He secured 4 Certifications from NPTEL – IISc / IITs. He has more than Six years of experience in teaching and research. He guided 8 UG educational projects. Also, He has good knowledge of Artificial Intelligence, Machine Learning, Deep learning, Computer networks, Automata Theory, Java Programming, Natural Language processing in academic subjects.



If you have any queries.



Please Contact :



Mr. S. Bosubabu (+91 9640641136), Organizing Chair – ICDSAI 2023



Mr. P.J.V.G. Prakasa Rao (+91 8919543171)



Mr. N P Patnaik M (+91 8328288485)

conference-cse@lendi.org, bosukalam@gmail.com

Presentation through Virtual Platform

Amid prevailing conditions due to COVID19, a virtual meeting platform may be made available for all registered authors who intend to submit their work but are unable to attend the conference. Authors may register and present their paper through the virtual platform. Authors shall be sent a Certificate of Participation, Conference Proceedings link and relevant literature by mail.

