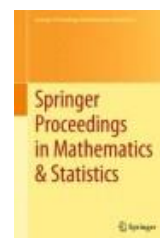# 1st International Conference on
Computing for Science, Engineering & Artificial Intelligence
CSEAi 2023

17-18th November 2023

(Hybrid mode)

https://cseai2023.iaasse.org/index.html

Conference Proceedings

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Session - 11

Computational Intelligence for Engineering Sciences and It's Application

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CSEAi 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 Computer Science and artificial Intelligence. CSEAI 2023 conference focuses on computing concepts and mathematical techniques in Science, Engineering and AI. This conference embarks on a journey through the essential mathematical landscapes: Linear Algebra's transformative equations, Calculus' optimization symposiums, Probability's uncertain terrain, and more. It brings together the tapestry of computing methods and mathematical equations that define the very essence of Artificial Intelligence, illuminating the path to mastery in this dynamic realm. Join us, 17-18 November 2023, to explore discovery, progress, and achievements related to various Data Science and Artificial Intelligence. The CSEAi 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://cseai2023.iaasse.org/sessions.html**

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

- Image Acquisition & Medical Image Processing
- Visualization
- Image Coding and Compression
- Face Recognition & Super-Resolution Imaging
- Image Segmentation
- Image-based modeling

- 3-D and Surface Reconstruction
- 3D and Stereo Imaging
- Applications (Bioinformatics etc)
- Audio/Speech Processing and Coding
- Content-Based Image Retrieval
- Watermarking

- Knowledge Representation and High-Level Vision
- Medical Image Analysis
- Cognitive and Biologically-Inspired Vision
- Motion and Tracking Stereo and Structure from Motion
- Multidimensional Signal Processing
- Multi-View Geometry
- Neural Networks and Genetic Algorithms
- Object Detection, Recognition, and Categorization
- Pattern Recognition in New Modalities

- PDE for Image Processing
- Color and Texture
- Computer Vision & VR
- Pattern Recognition and Analysis
- Data mining Techniques
- Biometric and Pattern Recognition
- Filter Design and Structures
- FIR, IIR, and Adaptive Filters
- Biomedical Imaging Technologie

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

Submission of **Paper**	: **25 October 2023**
Notification of **Acceptance**	: **01 November 2023**
Early Bird Registration	**: 02 November 2023**
Oral Presentation of selected works	**: 17-18 November 2023**
Submission of **Final paper**	**: December 31, 2023**
Online Paper Tentative	**: June 30, 2024**

The CSEAI 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 October 31, 2023		Regular Registration: November 01, 2023 - Till November 05, 2023		Spot Registration: November 19, 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

🦌 ** About Session Chair **

Dr. C P V N J Mohan Rao currently serves as an Professor in the Department of Computer Science and Engineering, Avanthi Institute of Technology, Makavalapalem has 28 years of teaching experience and has published more than 30 papers in reputed journals. He has supervised 1 Ph.D. student, is currently supervising 2 Ph.D. students, and has supervised more than 40 M.Tech projects. Recipient of the Best Teacher Award from JNTUK in 2010. Fellow of the Institute of Engineers, India and Life Member of CSI. Served as a reviewer for many reputed journals.

Dr Ennam Govinda, working as an Professor&HOD in theDepartment of Electronics and Communication Engineering at Avanthi Institute of Engineering and Technology,Tamaram,Anakapalli(District)-531113, Andhra Pradesh, India. He completed hisB.Tech from V.R Siddharadha Engineering College, Vijayawada andM. Tech(DSCE) from JNTUH ,Hyderabad and Ph.D from GITAM University, Visakhapatnam. He has more than 20 years of Teaching experience in the field of Electronics and Communication Engineering. He published 20+ Research papers in various reputed (UGC approved, Scopus/ SCI / Web of Science) International and National Journals, magazines, and conferences. He attended 16 workshops and he is a member of different professional bodies like IEEE, MIE, IETE etc. He Guided 3 PG and more than 50 UG academic projects. His area of research is in Image Processing, Antennas, Machine Learning etc.

Dr.T.Srinivasarao working as a Professor and HOD in the Department of Electrical and Electronics Engineering Avanthi institute of engineering and technology, Visakhapatnam, has about 22 years of teaching experience. He received his B.E degree in Electrical and Electronics Engineering from Andhra University and M.E. degree in Power Systems Engineering from JNTU, Hyderabad. PhD. in Electrical Engineering from Andhra University. He has published 27 research papers in refereed international journals and 20 research papers in the proceedings of various international conferences. He has two patents Indian and Australian patents on IOT and Machine learning application to power systems. He has an author for text book on High voltage Engineering published by notion press. He has received best paper awards for his research paper at international conference. His areas of research include Power systems analysis, power system stability, Interval arithmetic application to power systems, Renewable energy systems, Micro grid, Power electronics, Power electronics drives, and High voltage engineering. He is an active member of IEEE and IEI.

Dr. R Prasadrao is working as Professor in the Dept of ECE and Vice principal at Avanthi Institute of Engineering and Technology, Makavarapalem, Ankapalli affiliated to JNTUGV , AP, India. He obtained his Graduation in Electronics and Communication Engineering, Andhra University, Post-Graduation in DSCE JNTU Hyderabad, Doctorate in Electronics and Communication Engineering, GITAM University.He has more than 20 years of Teaching experience in the field of Electronics and Communication Engineering.He has published 18+ research papers in various National and International Journals of repute. He has published 02 textbooks. He has participated in 23 National and International Conferences/Seminars/Workshops. He is a recipient of Best Paper Award in IASET: International Journal of Electronics and Communication Engineering (IJECE). He is a Member of Institution of Engineers (India) and Member of Indian Society for Technical Education (ISTE). His area of research in Antennas and EM field theory. He Guided 5 PG and more than 50 UG academic projects.He has done several courses in different on line platforms like NPTEL and Coursera.

Dr. Challa Suresh is currently working as an Associate Professor of Mechanical Engineering in Avanthi Institute of Engineering & Technology, Narsipatanam, Visakhapatnam, India. He obtained his Graduation in Electronics and Communication Engineering, JNTUK in 2011, Post-Graduation in Mechanical Engineering, Andhra University in 2013, AMIE in Mechanical Engineering in 2015, The Institution in Engineers (India) and Doctorate in Mechanical Engineering, Andhra University in 2019. He has worked as Project Fellow, UGC-SAP-CAS-I for the grant of Rs.129.60 Lakhs during March 2017 – June 2019 in the Department of Mechanical Engineering, Andhra University, Visakhapatnam. He has published 25 research papers in various National and International Journals of repute 2 Patent Published and presented 35 research papers in National and International Conferences/Seminars. He has participated in 51 National and International FDPs/Conferences/Seminars/Workshops. He is a recipient of Best Paper Award in Marine Engineering Division from The Institution of Engineers (India), 2016 & 2018. He is a Active Member of various professional bodies and Former Council Member in The Institution of Engineers (India), Kolkata

Dr. A Srinivasa Rao, currently serving as Professor and Head of the Department of Basic Science and Humanities at Avanthi Institute of Engineering and Technology, Makavarpalem, is a seasoned author with 30 years of combined experience in teaching and administration. Holding an M.Sc. in Mathematics with the distinction of ranking 2nd at Andhra University in the 1989-1991 batch, Rao's career highlights include guiding students to achieve the State 1st Rank in I.P.E. March 1999 during his tenure at Sri Prakash Junior College, Payakaraopeta. His expertise continues to shape the academic landscape.

If you have any queries.

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