



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



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IEEE
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Research and Industry Symposium on AI / ML / DL Techniques and Applications

RISAI'23

(In honour of Mr. F. C. Kohli,
the father of Indian software industry)



About Symposium

Artificial Intelligence, Machine Learning and Deep Learning are trending technical buzzwords in the 21st Century with major misconceptions deviating from its actual meaning. Many companies claim to incorporate some kind of artificial intelligence (AI) in their applications or services, but what does that mean in practice?

Artificial Intelligence is the concept of creating smart intelligent machines. Likewise, Machine Learning, a subset of artificial intelligence, helps in building AI-driven applications. And, Deep Learning is a part of broader family of machine learning that uses vast volumes of data and complex algorithms to train a model. These concepts with its rapid progress in research and development will lead to new interpretations and definitions in the upcoming eras. So, this symposium will enable us to keep pace along with the upcoming growth in technology.

This Symposium on Artificial Intelligence / Machine Learning / Deep Learning Techniques and Applications comprises oral paper presentation sessions to showcase the original research contributions and innovations of researchers and industry professionals across the country & globe. In addition to the researcher's contribution, few keynote sessions in the area of AI / ML / DL will also be arranged to provide new perspectives to researchers and participants on emerging trends. This Symposium aims to create opportunities for collaborative research.

Objectives

The objectives of the symposium are to provide researchers with an opportunity for sharing their perceptions, presenting innovative applications and projecting views on societal impacts of emerging AI / ML / DL Techniques and Applications.

Outcomes

The outcomes of the symposium could be attaining a comprehensive understanding, acquiring requisite knowledge and knowing societal impacts of emerging AI / ML / DL Techniques and Applications.

Important Dates

Full-length Paper Submission	: 31.01.2023
Acceptance Notification	: 21.02.2023
Camera-Ready Paper Submission	: 13.03.2023
Payment for Registration	: 13.03.2023

Organized by

Centre for Academic Research, Vel Tech

25th March 2023

 risai.veltech.edu.in

Call for Paper Submissions



The invited papers may be under the specified areas as mentioned below (not limited to):

Adaptive AI - AI Engineering - AI Trust, Risk and Security Management - Algorithmic Game Theory and Computational Mechanism Design - Algorithmic Trading - Artificial Neural Networks - Automatic Summarisation - Autonomic Systems - Autonomous Vehicles - Cognitive Bias - Computer Vision - Convolutional Neural Networks - Privacy-Enhancing Computation - Data Fabric - Decision Intelligence - Deep Convolutional Neural Networks - Deep Learning - Deep Learning Algorithms - Drug Discovery & Bioinformatics - Fake News Analysis - Financial Fraud Deduction - Generative AI & Models - Hyper automation - Image Recognition - Image Restoration & Reconstruction – Generative AI & Commercial Applications of AI - Large scale Machine Learning - Language Translation - Machine Learning Algorithms - Machine Learning as a Service (MLaaS) - Medical Image Analysis - Metaverse & AI - Military Applications of AI - Natural Language Processing - Neuromorphic Computing - AI and Health - Recommender Systems - Reinforcement Learning – Robotics - Search Engine Optimization - Sentiment Analysis - Spam Filtering - Speech Recognition - Sustainable Technology & AI - Targeted Advertising - User behaviour Analysis - Visual Arts Processing.

Link for paper submission:

<https://forms.gle/B6o7Z2RjgCrw35Kb9>

Registration Fee

Rs. 500 (ACM / CSI / IEEE CS Members)

Rs. 600 (Non - Members)

Link for Registration

<https://risai.veltech.edu.in/reg>

Publications and Awards

The papers accepted for oral presentation will be published in the proceedings of symposium in electronic / print form.

Select papers, presented at the symposium will be recommended by the organizers for publication in the CSI Transaction on ICT (Springer) <https://www.springer.com/journal/40012> without any article processing charges (APC). However, the publication of the papers is subject to guidelines of the journal.

A cash prize of Rs.10000, Rs.7500 & Rs.5000 respectively will be awarded to the best three papers presented.

Certificate of Presentation, Appreciation & Participation will be issued to all the eligible participants based on the category of participation in the symposium.

About Vel Tech

Vel Tech has been promoted by Col. Prof. Vel. Dr. R. Rangarajan and Dr. Sagunthala Rangarajan with the vision of creating model citizens who would contribute professionally and socially to the Nation. Vel Tech provides good opportunities to the students from all strata of the society through high quality and affordable education. Well equipped infrastructure, qualified faculty and a range of co-curricular & extracurricular activities at Vel Tech ensure a holistic 360 degree development of students. In pursuit of their vision, Vel Tech Mahatma Gandhi Scholarship scheme has bestowed 9500 scholarships worth Rs.35 crore so far. Visit: <https://www.veltech.edu.in/> for more details.

About Centre for Academic Research

The Centre for Academic Research of Vel Tech has been functioning since 2009. The Dean (Research Studies) oversees, co-ordinates and controls the research activities conducted according to ethics and etiquette. The research programmes are offered in the areas of Engineering, Technology, Science and Humanities, Management and Law leading to the award of Ph.D. through different schools of study.

Visit: <https://www.veltech.edu.in/academic-research> for more details.

About Association of Computing Machinery (ACM)

ACM, the world's largest educational and scientific computing society, deliver resources that advance computing as a science and a profession. ACM provides the computing field's premier Digital Library and serves its members and the computing profession with leading-edge publications, conferences, and career resources. Visit: <https://www.acm.org/> for more details.

About Computer Society of India (CSI)

The seed for the Computer Society of India (CSI) was first sown in the year 1965 with a handful of computer user group including IT enthusiasts felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt was a fast-emerging sector. Visit: <https://csiindia.org/> for more details.

About IEEE Computer Society (IEEE CS)

The IEEE Computer Society is the premier source for information, inspiration, and collaboration in Computer Science and Engineering. Connecting members worldwide, the Computer Society empowers the people who advance technology by delivering tools for individuals at all stages of their professional careers.

Visit: <https://www.computer.org/> for more details.

Chief Patrons

Col. Prof. Dr Vel R. Rangarajan

Founder President & Chancellor, Vel Tech.

Dr. Mrs. Sagunthala Rangarajan

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Mrs. Rangarajan Mahalakshmi Kishore

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Registrar, Vel Tech.

Advisors

Dr. P. Balasubramaniam

Founder & CEO, Theme Work Analytics Pvt. Ltd., Bangalore.

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Chair, IEEE CS Madras & ACM Chennai.

Mr. T. V. Kamalakkannan

Chair, CSI Chennai.

Mr. H. R. Mohan

Chair – Events, IEEE CS Madras & Interface to Technical Societies.

Chair

Prof. Dr. S. Koteeswaran

Dean (Research Studies), Vel Tech

Organizing Secretaries

Mr. S. Govindan

Coordinator – Centre for Academic Research, Vel Tech.

Mr. T. Nelson Ponnudurai

Coordinator - Centre for Academic Research, Vel Tech.

Contact

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Venue

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
No.42, Avadi-Vel Tech Road, Vel Nagar, Avadi, Chennai-600 062.