



ICICC-2024 7th International Conference on Innovative Computing and Communication

ORGANISED BY: SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES, UNIVERSITY
OF DELHI, NEW DELHI IN ASSOCIATION WITH NATIONAL INSTITUTE OF
TECHNOLOGY, PATNA & UNIVERSITY OF VALLADOLID SPAIN

On

16-17th FEBRUARY 2024.

***** CALL FOR PAPERS *****

SPECIAL SESSION ON

Emerging trends and technologies in Artificial intelligence

SESSION ORGANIZERS:

Dr. Rajakumar Arul, Vellore Institute of Technology, Chennai, India



Dr. Rajakumar Arul is currently associated with the Centre for Smart Grid Technologies/ School of Computer Science and Engineering, VIT Chennai, India, as an Assistant Professor. He pursued his Bachelor's and master's in computer science and engineering from Anna University, Chennai. He completed his Doctor of Philosophy under the Faculty of Information and Communication, Department of Computer Technology, Anna University - MIT Campus. He is a recipient of the Anna Centenary Research Fellowship for his doctoral studies. His research works have been published in the journals of IEEE transactions of Industrial Informatics, Springer Wireless Personal Communication, Springer Mobile Networks and Applications, Wiley Transactions on Emerging Telecommunication Technologies, etc. His research interests include BlockChain, Security in Broadband Wireless Networks, LTE, Robust resource allocation schemes in Mobile Communication Networks, and Cryptography. He has established collaboration with many international universities for research projects. He also received research grants from Indian government of worth ~\$30,000 for implementing research projects. He has delivered several keynotes in the international forum regarding the network security, and He is a Certified Scrum Master (CSM) by Scrum Alliance for practicing scrum theory in project management. He is also a Senior Member of IEEE.

Dr. Kalaipriyan, T., Vellore Institute of Technology, Chennai, India



Dr. Kalaipriyan Thirugnanasambandam is currently associated with the Centre for Smart Grid Technologies/ School of Computer Science and Engineering, VIT Chennai, India, as an Assistant Professor. He received his M.Tech and Ph.D in Computer Science and Engineering from Pondicherry Central University, Puducherry, India. His research interests are Bio Inspired Computing, Artificial Intelligence, and Quantum Computing. He also received research grants from Indian government for implementation of research in quantum computing. His publication list includes National and International Journals, National and International Conferences.

Dr. Ali Kashif Bashir, Professor, Computer Networks and Cybersecurity, Manchester Metropolitan University, United Kingdom



Ali holds the position of Professor of Computer Networks and Cybersecurity at the Manchester Metropolitan University in the United Kingdom. Additionally, he serves as the leader of the Future Networks lab. Throughout his career, Ali has presented more than 45 keynote speeches at international conferences, produced over 300 research articles, and successfully overseen multimillion-dollar projects worldwide. His students have won best paper awards, best PhD thesis awards, and several other recognitions. His research interests include internet of things/cyber physical systems, smart infrastructures, cybersecurity, and AI algorithms to solve interdisciplinary problems of networks and security. Ali is member of Council of Professors and Heads of Computing (CPHC), UK; an expert reviewer of EPSRC, UK, Irish Research Council, Ireland, National Sciences and Engineering Research Council (NSERC), Canada, MITACS, Accelerate, Canada, Qatar National Research Fund (QNRF), and Commonwealth, UK. He enjoys 7 honorary and adjunct professor positions across the globe. He was listed as IEEE Featured Author in 2021, highly cited 2% researchers by Stanford University 2021 and 2022, shortlisted for Clarivate Highly Cited award 2023. He is AE of over 10 international ISI indexed journals including two IEEE Transactions, and Scientific Reports, Nature, and EIC of IEEE Technology, Policy and Ethics, and Journal of Autonomous Intelligence.

EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

Embark on a Voyage through AI's Tomorrow: Our conference, 'Emerging Trends and Technologies in Artificial Intelligence,' invites you to a dynamic exploration of the ever-evolving AI landscape. Through this conference we will unravel the latest breakthroughs, pushing the boundaries of machine learning and deep neural networks. Engage with leading experts as they decode the intricacies of novel algorithms, showcasing how they are reshaping industries and redefining the possibilities of human-AI collaboration. As technology

advances, so does the responsibility to ensure its ethical application. Thought-provoking discussions will tackle issues of bias, transparency, and the societal impact of AI. Delve into the conversations shaping the ethical framework of AI, and gain insights into how we can collectively navigate the challenges that come with unleashing the power of intelligent systems. This conference will culminate in a visionary, where we peer into the future of AI. From futuristic applications to potential societal transformations, this session will spark imagination and provoke contemplation about the role of AI in shaping our world. Join us on this intellectual odyssey, where curiosity meets innovation, and together, we decipher the pulse of 'Emerging Trends and Technologies in Artificial Intelligence.'

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- Exploration of synergy between quantum computing and machine learning algorithms.
- Integration of AI into edge devices for real-time processing and improved efficiency.
- Addressing bias, fairness, transparency, and accountability in AI systems.
- Developing interpretable AI models for better transparency and trust.
- Applications of AI in tailoring medical treatments, diagnostics, and healthcare services.
- Advancements in autonomous vehicles, drones, and robotic systems driven by AI technologies.
- Breakthrough technologies in language models, sentiment analysis, and language understanding.
- Leveraging AI for threat detection, anomaly identification, and enhancing cybersecurity measures.
- Intersection of AI and robotics in various industries.
- Applications and implications of GANs in generating realistic content.
- Innovations in algorithmic trading, fraud detection, and personalized financial services.
- Examination of usage of AI to address societal challenges, including climate change, poverty, and healthcare disparities.
- Applications of AI in personalized learning, adaptive education platforms, and student performance analysis.
- Advancements in virtual assistants, chatbots, and natural language interfaces.
- Integration of AI with IoT devices for smart and connected environments.
- Ethical guidelines, regulations, and governance frameworks for AI development and deployment

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Emerging trends and technologies in Artificial intelligence on or before [15th January 2023]**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://icicc-conf.com/paper_submission. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **Emerging trends and technologies in Artificial intelligence** at the top (above paper title) of the first page of your paper.

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