



ICICC-2024

7th International Conference on Innovative Computing and Communication

Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India
on 16-17 February 2024

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

SPECIAL SESSION ON

Research Trends in Data Science, IoT and Computational Intelligence in 6G Communications

SESSION ORGANIZERS:

1. Dr. Rajendra Kumar, Department of Computer Science & Engineering, Sharda University, India. Email: rajendrao4@gmail.com, rajendra.kumar@sharda.ac.in

Dr. Rajendra Kumar

Dr. Rajendra Kumar is presently working as Associate Professor in Computer Science and Engineering Department at Sharda University, Greater Noida. He holds PhD, M. Tech. and B. E. (all in Computer Science). He has 25 years of teaching, research and administrative experience at various accredited institutes and universities like Chandigarh University (NAAC A+). His field of interest includes Human Computer Interaction, Vein Pattern recognition, IoT, Blockchain, Theoretical Computer Science. He has published/presented more than 45 papers in peer reviewed journals of repute and conferences held in India and abroad. Three patents, four edited books (in production with CRC press | Nova Science Publisher | De Gruyter) and two monographs are also in his credit. He is author of 05 textbooks for publishers like McGraw Hill Education, Vikas Publishing House, Firewall Media, University Science press (Laxmi Publications). He has co-edited 08 conference proceedings. He has chaired many sessions in international conferences. He has been member of the organizing committee of 08 international conferences held in Malaysia, Thailand, Indonesia, Singapore and online. He is Editor-in-Chief of ADI Journal of Recent Innovations (AJRI), Indonesia. He has been member of Board of Studies of UPTU (now AKTU), Lucknow. He is life member of the Society for Research Development (SRD) and member of IEEE. He is the reviewer of various reputed journals like Medical & Biological Engineering & Computing (Springer), Expert Systems with Applications (Elsevier) LSM (Malaysia), etc.

2. Dr. Shruti Aggarwal, Department of Computer Science and Engineering, Thapar University, Patiala, India. E-mail: drshruti.cse@gmail.com

Dr. Shruti Aggarwal

Dr. Shruti Aggarwal, is working as Assistant Professor in the Department of Computer Science and Engineering at Thapar University, Patiala, India. She has worked as Associate Professor and Head at Chandigarh University and has pursued her doctorate in software engineering domain from N.I.T., Jalandhar. She has earned her Master's degree from U.I.E.T., Panjab

University, in 2011 and B.Tech. (C.S.E.) from Kurukshetra University in 2008. In more than 12.8 years of her teaching career at reputed institutes like NIT, Kurukshetra University, etc. She has guided 36 research scholars, published more than 100 research papers in various Journals and Conferences of national and international repute. She has conducted numerous technical and non-technical events, supported various industrial projects, and has given talks in Data Mining and Software Engineering domain. She is the reviewer of various prestigious journals and she has hosted session chairs in various international conferences. She has 14 patents and has been awarded with several awards like Abdul Kalam Innovation Special Appreciation Award, 50 Eminent Researchers of 2021, Research Excellence Award, Womonorator Award, 100 Eminent Academicians of 2021, Global Femina Excellence Award, etc. from various reputed international and national organizations. She is currently working on book chapters, research projects and patents in the domain of data sciences.

EDITORIAL BOARD: (Optional)

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SESSION DESCRIPTION:

The merging of Data Science, IoT, and Computational Intelligence in 6G communications has great potential to bring about revolutionary advancements in future developments. However, it also postures the challenges related to data privacy, security, interoperability, and the development of efficient machine learning algorithms capable of handling the complexities of 6G networks. Many soft and hard computing techniques have been proposed but more robust solutions are required for 6G environment.

As 6G technology is still in the research and development phase, it is crucial to stay updated on the latest trends and innovations in mentioned fields to fully understand their opportunities and challenges on future communication systems. The contributions to this special session will focus on future research on recent contributions on emergence on data science, IoT and computational intelligence.

Data Sciences, computational intelligence and IoT are rising research domains with applicability in various popular fields like clinical systems, google now features, probability graphic models, video, audio mining, etc. All these need to synchronize with the 6G technology with a realistic environment using augmented and virtual reality. So, the challenges focus not only secured machine learning algorithms but also on optimized infrastructure support.

RECOMMENDED TOPICS:

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

- Machine learning models for network security in IoT environment
- Machine learning solutions against security attacks
- Deep learning for enhancing security and privacy in 6G Communications
- Cyber Security and Data Mining
- Network Optimization using computational intelligence
- deep learning-based natural language processing
- Deep learning models for Predictive Maintenance
- IoT and Data Generation
- Data Science, IoT and Computational Intelligence in smart cities
- Smart Healthcare in 6G environment

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[session name] on or before [30th October 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 http://icicc-conf.com/paper_submission.html.

All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **[Session Name]** at the top (above paper title) of the first page of your paper.

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