IC-SIT 2024

International Conference on Intelligent Computing & Sustainable Innovations in Technology

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Silicon University

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The International Conference on Intelligent Computing and Sustainable Innovations in Technology (IC-SIT 2024) is a premier international forum for high quality research in Technology. Researchers, developers, and practitioners from academia and industry are invited to present their research findings on various topics of Innovation, Computing and its applications. The proceedings of this conference will be published by IEEE .

IC-SIT 2024 encourages submissions in all the areas of intelligence, computing and technology. However, the papers in the following 6 tracks will be primary focus of IC-SIT 2024:

- **Intelligent Learning and Application (ILA)**

  Artificial Intelligence, Machine Learning Algorithms and Applications, Data Mining and Data Warehousing, Big Data Analytics and Applications, Deep learning Algorithms and applications, Generative Adversarial Networks (GANs), Pattern Recognition, Social Network Analysis, Recommender Systems, Image Processing and Computer Vision, Reinforcement Learning and Robotics application.

- **Data Science and Business Analytics (DBA)**

  Statistical Analysis and Design, Predictive Analytics and Applications, Data Visualization Tools and Techniques, Big Data Analytics, Time Series Analysis, and Business Intelligence (BI) Tools design, Text Analytics and Natural Language Processing (NLP).

- **Communication Networks and IoT (CNI)**

  Wired and Wireless Networks, Communication Protocols , Ad-hoc and Sensor Networks, Vehicular Communication and IoV, UAV Communication Networks, 6G wireless Broadband Technology, IoT Networks and Architecture, IoT Applications and Services, Network and IoT security, Cryptography Application Protocols, Blockchain Network and Security.

- **Parallel, Distributed and Cloud Computing (PDC)**

  Parallel Computing, Distributed Computing, Cloud, Edge and Fog Computing, Server Less Computing, Cloud Resource Management and Scheduling, Cluster Computing, Grid Computing, High Performance Computing, Scalability and Performance Optimization, Fault Tolerance and Reliability, Green Computing.

- **Multimedia, Signal Processing, and Embedded Systems (MSE)**

  Audio and Video Signal Processing, Image Signal Processing, Multimedia Signal Processing, Multimedia Communication and Networking, Deep Learning for Multimedia Analysis, Adaptive and Array Signal Processing, Statistical Signal Processing, Radar and Sonar Signal Processing, Biomedical Imaging and Signal Processing, Signal Processing Systems and Applications, Energy-Efficient Embedded Systems, Embedded System Design for Autonomous Vehicles, Embedded Systems for Healthcare Applications, Robotics Embedded Systems.

- **Power, Control and Smart Grid (PCS)**

  Power Electronic Components and Devices, Electrical Machines, Industrial Drives, Power Quality, Power Flow Control Transportation and Distribution, High Voltage Engineering, Renewable Energy & Energy Storage, Adaptive & Intelligent Control, Nonlinear Systems & Control, Smart & Micro Grids, Grid Modernization and Automation, Grid Resilience and Reliability.

PAPER SUBMISSION

- All papers must be original, and not simultaneously submitted to another publication. Authors are requested to submit their papers in not more than 6 pages, prepared in the two column IEEE format. Check here for IEEE Conference templates *https://www.ic-sit.in/call-for-paper/*
- Similarity index below 20% is acceptable for review
- All accepted and presented papers will be submitted for inclusion into IEEE Xplore digital library subject to meeting IEEE Xplore standards for scope and/or quality requirements
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IC-SIT 2024 will follow a strict no-show policy, i.e., accepted papers are to be registered and presented, otherwise the paper will be removed from the proceedings.