

SASI-ITE 2024





About the Institute

Sasi Institute of Technology & Engineering (Autonomous) is not just one more engineering college. It's a college with a difference. It has made its presence felt more with its academic discipline, results and the achievement of its students. Though started a few years back i.e. in 2002, it has set to compete with the best in the state. Providing the best education in engineering and technology and following the systems that Sasi has developed over two decades, it has made its mark already in the minds of millions. The campus is located amid lush green fields in the spacious area of 28 acres offers world class facilities. It is well connected to rail and road transport. Naturally, it is the best choice for many parents who want to keep their wards in the safest and best academic environment. Treated the best in coastal belt of Andhra Pradesh for professional education, Sasi stands with highest success rate not only in academic lines but also in placements.

Sasi Institute of Technology & Engineering started its functioning with four academic programs like CSE, ECE, EEE & ME. Now the institute offers twelve UG programs (AIML, CE, CSE, CST, CSE(AIML), CSE(DS), CSE(IoT&CS), ECE, ECT, EEE & ME), six PG Programs ((CSE, VLSI&ES, CE&SP, PE, CAD/CAM, MBA) and Three Diploma courses (DECE, DEEE, DME). It has created a sensation in the field of engineering education in a very short span of time and accredited by NBA & NAAC with 'A' grade, recognised by UGC under section 2(f) & 12(b), approved by AICTE New Delhi, permanently affiliated to JNTUK.

About the Conference

The primary objective of the first IEEE International Conference on Social and Sustainable Innovations in Technology and Engineering – SASI-ITE'24 is to bring together the Professionals, Researchers and Academicians around the globe with the intention of encouraging and transferring knowledge on Social and Sustainable innovations. This conference is a technical event for a world-class gathering of researchers from academia and industry, practitioners, and business leaders, providing a forum for discussing cutting-edge research, and directions for new innovation in business and technology. This conference is aligned with the conference theme Empowering Future with Versatile Technologies. This conference is technically co-sponsored by IEEE Vizag Bay Section

About Vizag Bay Section

Vizag Bay Sub-Section (R0014902) formed on 19-Feb-2011 with the geographical boundaries of Srikakulam Dist, Vijayanagaram Dist, Visakhapatnam Dist, East Godavari Dist, West Godavari Dist and Krishna Dist of Andhra Pradesh, India. Our petition for elevation of the Vizag Bay Sub-Section geographical area is recommended by IEEE Hyderabad Section, endorsed by IEEE R10 and approved by MGA. Thus Vizag Bay Section (R00150) formed as 12th Section in India and 59th Section in R10.

Important Dates

Short Papers / Full Papers Submission Opens: 01 Feb-2023
Closes: 02 October 2023
Notification of Acceptance: 30 October 2023
Early Bird Registration Opens : 30 June-2023
Closes : 15 November-2023
Registrations (All categories) Close: 30 November-2021
Camera Ready Paper Submission Opens : 16 November 2021
Closes on 31 November-2023

Contacts

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2024 INTERNATIONAL CONFERENCE ON SOCIAL AND SUSTAINABLE INNOVATIONS IN TECHNOLOGY AND ENGINEERING SASI-ITE'24

IEEE CONFERENCE RECORD: #58663

Theme:
Empowering Future with Versatile Technologies

4-6th January, 2024



Technically Co-Sponsored by

IEEE Vizag Bay Section

Manuscripts submission link:
<https://cmt3.research.microsoft.com/SASITE2024>

Sponsorship opportunities, Co-hosting Workshop /
Tutorials available now

For more details Visit our Conference Website:

www.ite.sasi.ac.in

Conference Email: sasi_ite@sasi.ac.in

Organised by

Sasi Institute of Technology & Engineering(A)

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Registration

Early Birds Authors Registration

IEEE Members Rs 5,000
Non-IEEE Members Rs 6,000
IEEE Student Members Rs 3,000
Non-IEEE Student Members Rs. 3,500
(Please see the note below)

Authors Registration from 16 November 2023

IEEE Members Rs 6,000
Non-IEEE Members Rs 7,000
IEEE Student Members Rs 3,000
Non-IEEE Student Members Rs. 3,500
(Please see the note below)

Non - Authors Registration

All: Rs 6,000
IEEE Student Members Rs 2,000 (No Conference Kit)
Non-IEEE Student Members Rs. 3,000 (No Conference Kit)
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The above Registration is exclusive of taxes and the applicable taxes will be added, when the payment is done.

Example: If you are paying Rs. 5,000 under IEEE Member Early Bird Category

You will have to pay as follows:

Registration fee Rs. 5,000-00
GST @18% i.e. 5500+18% = 900.00
Payment gateway Collection Charges extra.

Note:

1. Every paper accepted MUST be presented during the conference. Every paper accepted MUST have attached to it at least one registration at the Full IEEE Member/Non-IEEE Member rate. Explanation: A paper could be authored from IEEE-Members/Non-IEEE Members/Students. Every paper accepted MUST have attached to it at least one registration at the full member/nonmember rate. Thus, for a paper for which all authors are students, one student author will be required to register at the full registration rate. Failure will result in removal of your paper from the proceedings and will not be submitted to IEEE Xplore for consideration.

2. Papers with only student registrations will not be accepted for presentation and will not be submitted to IEEE Xplore for consideration.

3. With one Full Registration maximum two papers can be presented.

4. If there are more than two papers, the registration fee is computed as One Full Registration + [No. of papers -2]/2.

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Sri Bunga Kiran Kumar, +91 97011 87001

Sponsorship

PLATINUM Rs. 5,00,000

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Call for Reviewers

<https://tinyurl.com/SITE-ITEReviewer>

Instructions to Authors

1. Authors are invited to submit 4-6 page manuscript in double-column IEEE format

2. Manuscripts must be written in English and follow the instructions from the following pages.
Manuscript templates are located at

<https://www.ieee.org/conferences/publishing/templates.html>

Plagiarism details at

<https://www.ieee.org/publications/rights/author-rights-responsibilities.html>

Copy Right Information at

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3. Only Electronic submission in PDF format will be accepted.

4. Change of Name of the author(s), Change in order of the author(s) names, Addition or Deletion of author(s) will not be entertained after the deadline of the manuscript submission.

6. There should be only one corresponding author and he/she should not change this e-mail id all through the conference process.

7. The manuscript should not contain author name(s), affiliations, e-mail ids. The specified space need to be blank. After the manuscript is accepted, the author names, affiliations, e-mail ids can be incorporated in the camera ready paper.

8. Any violations on the above will be removed from the proceedings of the conference and will not be sent to IEEE Xplore for consideration.

9. All paper submissions will be carefully reviewed by at least two/three experts and reviews will be returned to the author(s) with comments to ensure the high quality of the accepted papers.

10. The authors of accepted papers must guarantee that their paper will be presented at the conference and register for conference.

11. Submit only the original material where copyright of all parts is owned by the authors declared and which is not currently under review elsewhere in any form.

Special Sessions

Proposals for special sessions are required to contain the following information:

- (1) Title for the proposed special session
- (2) One page summary of the special session including its motivation and goals
- (3) List of organizers (names, affiliations, e-mail ids, mobile numbers and short bio).

There is a two-page limit for each proposal. Selected special sessions will be announced through the conference and will be open for submission to everyone.

All papers will be peer-reviewed and have the same process of review /acceptance and submission process. The difference is that they will appear in a single lot in a single session. The organizers (max two) will be Chairs for the proposed special session. The organizers may recommend few reviewers. The minimum number of papers that are to be registered are eight per special session.

Contact:

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Workshop/Tutorials

Proposals for Workshop/Tutorials to be co-located with SASI-ITE'24 are required to contain the following information:

- (1) Title for the proposed special session
- (2) One page summary of the special session including its motivation and goals
- (3) List of organizers (names, affiliations, e-mail ids, mobile numbers and short bio).

There is a two-page limit for each proposal. Selected special sessions will be announced through the conference and will be open for submission to everyone. All papers will be peer-reviewed and have the same process of review /acceptance and submission process.

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Call for Papers

We welcome submissions for SASI-ITE'24 technical program in the following areas and not limited to:

Track 1: Data Science & Engineering

- Big Data Analytics, High Performance Computing
- Computational Biology & Bioinformatics
- Data Centric Programming, Data Modelling & Semantic Engineering
- Data, Text, Web Mining, & Visualization
- Domain Specific Data Management, Knowledge Engineering

Track 2: Computing Technologies

- Algorithms, Programming Languages
- Computing Architectures and Systems
- Computer Graphics, Vision and Animation
- Software and Database System, Multimedia Engineering
- Networks, IoT and Cyber Security, Cluster, Cloud, & Grid Computing

Track 3: Computational Intelligence

- Data Mining, Neural Networks and Deep Learning
- Meta heuristic algorithms, Machine Learning
- Business Intelligence, Human Computer Interface
- Crowd Sourcing & Social Intelligence

Track 4: Communication & Networking

- Green Communications, Wireless Communications and Networks
- Optical Communications and Networks,
- Modulation and Coding Techniques
- Ad-hoc, Mesh and Sensor Networks
- Vehicular Networks, Cellular Networks

Track 5: Signal & Image Processing

- Image / Video / Multimedia Signal Processing
- Audio / Speech / Spoken Language Processing
- Digital & Multirate Signal Processing
- Signal Processing Algorithms and Architectures
- Pattern Recognition and Object Tracking
- Compressive Sensing and High-Dimensional Statistics

Track 6: RF Circuits, Systems and Antennas

- Antennas, Propagation and Computational EM
- RF/Millimeter-wave Circuits and Systems
- THz, Micro Wave and RF Systems for Communications
- Materials and Structures, Microwave Metrology
- RF and Microwaves in Medicine and Biology

Track 7: Devices, Circuits, Materials and Processing

- Electronic devices, materials and fabrication process
- Device modeling & characterization,
- Advanced CMOS devices and process
- Beyond CMOS device technology, Emerging memory technologies
- Analog and mixed signal ICs, MEMS and semiconductor sensors

Track 8: Power, Energy and Power Electronics

- Power Generation, Transmission and Distribution
- Renewable Energy Sources and Technology
- High Voltage Engineering, HVDC-FACTS
- Switching Circuits & Power Converters
- Power System Monitoring, Control and Protection
- Micro Grids & Distributed Generation
- Control Communication and Monitoring of Smart Grid
- Energy Storage System

Track 9: Robotics, Control, Instrumentation and Automation

- Humanoid robots, Mobile robotics, Space and underwater robots
- Control system modeling, Intelligent control,
- Neuro-control, Fuzzy control and their applications
- Networked control systems, Instrumentation systems
- Industrial automation

Track 10: Biomedical Engineering and Healthcare Technologies

- Biomedical Signal Processing and Instrumentation
- Wearable Sensors for Health care monitoring
- Biomedical Imaging
- Micro/Nano-bioengineering and Cellular/Tissue Engg & Biomaterials
- Computational Systems, Modeling and Simulation in Medicine
- Biomedical and Health Informatics

Track 11: Civil Engineering

- Sustainable Materials
- Sustainable Practices and Innovations in Civil Engineering
- Applications of Advanced Soft Computing Techniques in Civil Engg.
- Sustainability Assessment Framework, Sustainable Cities and Society
- Challenges in Sustainable Development, Weather forecasting
- Climate Change Studies
- Advances in real-time flood forecasting

Best paper will be selected on each track and rewarded.