Second International Conference on
Advances in Smart Sensor, Signal Processing and Communication Technology 2024 (ICASSCT - 2024)

22 - 23, March 2024 | Goa University, Goa, India | www.icassct.com

Call for Papers

HYBRID MODE

ICASSCT 2024 (Second Edition)

The conference aims to pursue the progression from communication and information theory through to the implementation, evaluation and performance improvement of practical communication systems using signal processing technology. ICASSCT will be an excellent forum for presenting research into topics ranging from those of the physical layer to the application layer. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of sensors and signal processing in communication systems. All aspects of the protocols and processes required for the future communication systems to operate better and the applications to utilize the full potential offered by the current and the emerging networking infrastructure are also encompassed. ICASSCT is organized by the Electronics Programme, School of Physical and Applied Sciences, Goa University, Goa.

Call for papers

ICASSCT 2024 invites full length original research contributions from science, engineering professionals from industries, R&D organisations, academic institutions, government departments and research scholars from across the world working with sensors, signal processing and communication systems. Full length original research contributions and review articles not exceeding twelve pages in single column format shall be submitted. The extended literature papers will not be accepted. The manuscript should contribute original research ideas, developmental ideas, analysis, findings, results, etc in the fields closely related to the conference topics listed below. The manuscript should not have been published in any journals/magazines or conference proceedings and not under review in any of them. Further the manuscript should contain the name of the corresponding author with e-mail id and affiliation of all authors.

Please send your full length paper in AIP Conference Proceedings manuscript template (pdf format) to icassct@unigoa.ac.in.

Topics (but NOT limited to)

Smart Sensors

Big Data
Visualization
Sensor Data Fusion
Sensor Networks
Wireless and Contactless sensors
Assisted Living for the Aging Population
Medical and Biomedical Applications
Commercial Development
Energy and the Smart Grid
Energy Harvesting for Sensors
Industrial Applications
Internet of Things
Sensors for Aerospace
Non-Destructive Evaluation
Remote Sensing
Robotics and Automation
Smart Agriculture
Smart Buildings Smart Cities and Communities
Sensors for Smart Mobility
MEMS and Nano-Sensors
Novel Sensing Technologies
Flexible and Wearable Sensors
Memristive Sensors

Signal Processing

Image and video signal processing
MultiSpectral Imaging
Hyperspectral Imaging
Biomedical Imaging
Multimedia applications
DSP algorithms and architectures
Speech and audio processing
Biomedical applications

Engineering and Technology

Electrical Engineering
Electronics Engineering
Computer Science and Engineering
Information Technology
Electronics and Instrumentation Engineering
Artificial Intelligence
Control Systems Engineering
Mechatronics

Language identification
Machine learning, pattern analysis, and classification
Cognitive radio
Large dimensional signal processing
Sparse signal processing
Graph signal processing
Applications in astronomy/astrophysics
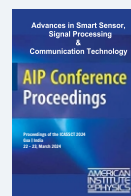Communication Technologies

Communication Theory & Systems

Coding theory
Wireless communications
RF and microwave communications
Satellite communications
Optical communications
Silicon Photonics
Cognitive radio
Energy harvesting and green communications
Machine learning for communications
5G and beyond communication systems
Machine learning for communications
Edge communications
Quantum communications
5G / next-generation networks
Wireless and wireline networks
Optical networks and systems
Sensor and ad hoc networks
Complex networks
Cyber-physical systems / IoT
Biological networks
Social networks
Decentralized trust networks
Data center and cloud networks
Data center and cloud networks
Networks and services management
Performance analysis

Materials Science and Engineering

Advanced materials
Sustainable materials
Composite materials
Biomaterials
Nano materials
Thin film technology
Structural materials
3D materials
Optical/Electronic/Magnetic materials
Chemical materials

Publications

with all the accepted papers will be published in the following AIP Conference Series

AIP Conference Proceeidngs
A Conference Proceedings Journal
Published by: American Institute of Physics

Indexing and Abstracting

The book of proceedings of ICASSCT 2024 will be INDEXED in

Conference Proceedings Citation Index – Science (CPCI-S)
(Thomson Reuters, Web of Science)
EI - Compendex
Scopus
Inspec
Chemical Abstracts Service
INIS (International Nuclear Information System)
NASA Astrophysics Data System
SPIRES
VINITI Abstracts Journal (Referativnyi Zhurnal)

Important dates

Last date for paper submission	12, March 2024 (Extended)
Notification of acceptance	15, March 2024
Registration deadline	18, March 2024
Camera Ready Paper (CRP) submission	18, March 2024
Release of Conference schedule	18, March 2024
Conference date(s)	22 - 23, March 2024

ICASSCT 2021 - Publications (First Edition)

IOP:Journal of Physics Conference Series, Volume 1921, 2021.
(Indexed in Scopus)

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Registration fee

	Indian authors (in Rs)	Foreign authors (in USD)
Graduate Students	₹ 12,000	$ 250
Research Scholars / Academicians	₹ 12,000	$ 250
Industry and Others	₹ 14,000	$ 250
Poster (without publication)	₹ 3,500	$ 100