2nd International Conference on
Innovations in High–Speed Communication and Signal Processing (IHCSP 2024)

6th-8th December, 2024
Organized at MANIT Bhopal

About us:

Maulana Azad National Institute of Technology (MANIT), Bhopal is an Institute of national Importance of Government of India and one of the leading technical institutes among 31 NITs of India. The Institute is fully funded by Ministry of Human Resource Development (MHRD), Government of India. The institute has been named after the great scholar, educationist and the first Education Minister of Govt. of India, Maulana Abul Kalam Azad.

The department of Electronics and Communication Engineering of MANIT was established in 1970. It is offering one Undergraduate program and two Post Graduate programs in Digital Communication and in VLSI & embedded System Design. It has excellent labs and research facilities in Communication Engineering, Signal Processing and VLSI & Embedded systems. The pass outs of the department had proven their proficiency in the field of higher education and research, entrepreneurship development and service sectors all over the world.

About conference:

The 2nd International Conference on Innovations in High-Speed Communication and Signal Processing (IHCSP 2024) aims to bring together leading academic scientists and researchers to exchange and share their experiences and research results on all aspects of High-Speed Communication and Signal Processing. "IHCSP 2024" will be held in the Department of Electronics and Communication Engineering, Maulana Azad National Institute of Technology (MANIT), Bhopal, India from 6th to 8th December 2024. The conference will be conducted in collaboration with IES University with IES College of Technology

Call for Contributions:

Prospective authors are encouraged to contribute and help to shape the conference through submissions of their research papers. The high-quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of High-Speed Communication and Signal Processing are cordially invited for presentation at the conference. Original papers on the following indicative topics, but not limited to, are welcome to be submitted for the conference.

Track-I: Communication Systems
- 5G Technology and Implementations
- 5G-Broadband
- Low Latency Solutions
- Adaptive Antennas for Wireless Systems
- Beamforming Technologies
- Cognitive & Software-Defined Radio
- Cooperative Communication
- Cryptography, Security and Privacy algorithms
- Wireless communications and networks
- Optical communications and networks
- Microwave, antennas and propagation
- Cognitive radio and sensor networks
- Optical Links
- Visible light communications

Track-II: Signal Processing Systems
- Audio and Acoustic Signal Processing
- Compressed Sensing and Sparse Modeling
- Design/Implementation of SP Systems
- DSP Algorithms and Architecture
- Image and Video Processing
- Speech and Language Processing
- Statistical Signal Processing
- Multidimensional and Multimedia Signal Processing
- Nonlinear Signal Processing
- Biomedical signal processing
- Biometric signal processing
- Information and data processing
- Radar and Sonar Signal Processing
- SP for communications
- Sensor array and multi-channel SP

Track-III: Circuits and Systems
- Security and Privacy Technologies and Applications
- Virtualization in Wireless Networks
- Grid and cloud computing
- Embedded system design
- Analog and Digital Transmission techniques
- Emerging trends in VLSI
- Nanoelectronics
- MEMS VLSI circuit and systems
- Field programmable & Reconfigurable systems
- System level Design
- System-on-chip design
- Mixed signal design
- Signal Processing for VLSI
- Energy Efficient Protocol and Routing

Track-IV: Data Science and Its Applications
- Signal Processing for Big Data
- Internet-of-Things / Devices
- Computer Vision and Pattern Recognition
- Signal Processing for Power Systems
- ML and AL Internet of Things
- Block Chain
- Large Scale Massive MIMO Systems
- Renewable Energy
- Distributed Generation
- Smart Grid Communications
- Vehicular Wireless Networks
- Detection, estimation and classification
- Space time processing and MIMO systems
- Application of AI in Communication and Signal Processing

Conference Email ID: ihcsp.conf@gmail.com

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Important Dates:

Paper submission starts : 10th Jul 2024
Paper submission deadline : 31st Aug 2024
Notification of acceptance : 01st Aug 2024
Registration Begins : 15th Sept 2024
Early bird Registration ends : 01st Oct 2024
Regular Registration ends : 01st Nov 2024
Camera-ready Submission : 05th Nov 2024
Conference Dates : 6th to 8th Dec 2024

Call for Contributions:

Prospective authors are encouraged to contribute and help to shape the conference through submissions of manuscript in the area of Communication Systems, 5G Communication, Signal Processing Systems, Circuits and Systems and Data Science and Its Applications. Further details of scope and tracks may be checked on conference website.

Manuscript Submission:

Authors are invited to submit full length paper of 4-6 pages in IEEE format. Format can be downloaded from the following link:

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

The authors need to submit paper through Microsoft CMTusing following link:

https://cmt3.research.microsoft.com/IHCSP2024/Submission/Index

Email submissions will NOT be accepted. The authors should strictly adhere to the IEEE format.

Registration:

All the registered and presented papers will be submitted to IEEE Xplore digital library for publication (subjected to the approval of IEEE Technical Committee). Best paper award will be given in each track. Extended version of selected papers will be published in the Scopus Indexed Journal. At least one author of each paper should register for the conference.

Flat 50% discount will be given to all category of authors for registration of 2nd and further papers.

Registration Type	Early Bird Registration Due on 1st Oct 2024		Regular Registration Due on 1st Nov 2024	
	Member IEEE/IETE	Non-Member IEEE/IETE	Member IEEE/IETE	Non-Member IEEE/IETE
Student Author	4000 INR	5000 INR	5000 INR	6000 INR
Academic Author	5000 INR	6000 INR	6000 INR	7000 INR
Industry Author	6000 INR	7000 INR	7000 INR	8000 INR
Foreign Student Author	70 USD	80 USD	80 USD	90 USD
Foreign Academic Author	80 USD	90 USD	90 USD	100 USD
Foreign Industry Author	90 USD	100 USD	100 USD	110 USD

Conference Email ID: ihcsp.conf@gmail.com