

1st IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSPP 2023)

4th-5th March, 2023
Organized at MANIT Bhopal in Virtual Mode

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 1st IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IHCSPP 2023) 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. "IHCSPP 2023" will be held in the Department of Electronics and Communication Engineering, Maulana Azad National Institute of Technology (MANIT), Bhopal, India from 4th to 5th March 2023. The conference will be conducted completely in virtual mode.

The conference is sponsored by IEEE Madhya Pradesh Section and IETE Gwalior Section, co-sponsored by IETE Bhopal Section and IEEE Computer Society MP Section.

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 The high-quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of High-Speed Communication and Signal Processing are cordially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

1st IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSP 2023)

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 CMT using following link

<https://cmt3.research.microsoft.com/IHCSP2023/Submission/Index>

Email submissions will NOT be accepted. The authors should strictly adhere to the IEEE format. The authors should strictly adhere to the IEEE format. For any further queries in this regard, please email to ihcsp.conf@gmail.com

Important Dates:

Paper submission starts	: 30th Oct 2022
Paper submission deadline	: 25th Dec 2022
Notification of acceptance	: 01st Feb 2023
Registration Begins	: 15th Jan 2023
Early bird Registration ends	: 05th Feb 2023
Regular Registration ends	: 15th Feb 2023
Camera-ready Submission	: 10th Feb 2023
Conference Dates	: 4th to 5th Mar 2023

Registration:

All the registered and presented papers will be submitted to IEEE Xplore digital library for publication (ISBN: 979-8-3503-4595-7) (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 5th Feb 2023		Regular Registration Due on 15th Feb 2023	
	Member IEEE/IETE	Non-Member IEEE/IETE	Member IEEE/IETE	Non-Member IEEE/IETE
Student Author	2000 INR	2500 INR	2500 INR	3000 INR
Academic Author	2500 INR	3000 INR	3000 INR	3500 INR
Industry Author	3500 INR	4000 INR	4000 INR	4500 INR
Non-Author	500 INR	750 INR	750 INR	1000 INR
Foreign Student Author	35 USD	45 USD	45 USD	55 USD
Foreign Academic Author	40 USD	50 USD	50 USD	60 USD
Foreign Industry Author	45 USD	55 USD	55 USD	65 USD
Foreign Non-Author	15 USD	20 USD	20 USD	25 USD

1st IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSP 2023) COMMITTEES

CHIEF PATRON

Director MANIT, Bhopal

PATRON

Dean ID, MANIT, Bhopal
HOD ECE, MANIT, Bhopal

CONFERENCE CHAIR

Prof Aditya Goel, ECE Dept, MANIT, Bhopal

Prof G S Tomar, Chair, IEEE MP & IETE Gwalior Section

Prof Manish Dixit, Vice Chairman IEEE MP Section

Prof P.K. Singhal, Chair IETE Bhopal Section

HONORARY PATRONS

CONFERENCE SECRETARIES

Dr Laxmi Kumre, ECE Dept, MANIT, Bhopal

Dr Vijayshri Chaurasia, ECE Dept, MANIT, Bhopal

CONFERENCE TREASURER

Dr Amit Ojha, Secretary, IEEE MP Section

FINANCE COMMITTEE CHAIR

Prof R.K. Baghel, ECE Dept, MANIT, Bhopal

Dr MPS Chawala, Treasurer, IEEE MP Section

Dr Laxmi Kumre, ECE Dept, MANIT, Bhopal

PUBLICITY COMMITTEE CHAIR

Prof J.S. Yadav, ECE Dept, MANIT, Bhopal

Dr L.D. Malviya, ECE Dept, SGSITS Indore

Dr Dheeraj Agrawal, ECE Dept, MANIT, Bhopal

PUBLICATION COMMITTEE CHAIR

Dr Vijayshri Chaurasia, ECE, MANIT, Bhopal

Dr Jitendra Saxena, IE (India), Kolkata

Dr Anuprita Mishra, IESCT, Bhopal

Dr Ana Kumar, GBU Greater Noida

PROGRAM COMMITTEE CHAIR

Dr Jyoti Deshmukh, SISTec Bhopal

Dr Vikas Gupta, TIT Bhopal

Dr Abhishek Sharma, OIST Bhopal

Dr Trapti Sharma, VIT University, Bhopal

TECHNICAL COMMITTEE CHAIR

Dr Dheeraj Agrawal, ECE Dept, MANIT, Bhopal

Dr Biswajeet Mukherjee, PDPM IIITDM Jabalpur

Dr Manish Kashyap, ECE Dept, MANIT, Bhopal

Dr Alok Naugarhiya, ECE Dept, NIT Raipur

Dr Rahul Chaurasiya, ECE Dept, MANIT, Bhopal

Dr Pavan Kumar Mishra, IT Dept, NIT Raipur

Dr Vipul Agrawal, KL University, Vijaywada

Dr Sadhana Mishra, ITM University Gwalior

ADVISORY COMMITTEE

Prof Selwyn Piramuthu, University of Florida, United States

Prof Subramaniam Ganesan, Oakland University, Michigan, United States

Prof Xavier Fernando Toront, Metropolitan University, Canada

Prof Arthur James Swart, Central University of Technology, South Africa

Prof Girijesh Prasad, Ulster University, Northern Ireland

Prof Frank Wang, University of Kent, UK

Prof Hamed Vahdat-Nejad, University of Birjand, Iran

Prof Visvasuresh Govindaswamy, Concordia University Chicago, Illinois, United States

Prof Jorge Luis VictÃ³ria Barbosa, University of Vale do Rio dos Sinos (UNISINOS), Brazil

Prof Qin Xin, Faculty of Science and Technology, Vestara Bryggja, Faroe Islands

Prof Vinod Chandran, Queensland University of Technology, Australia

Prof Lei Shu Guangdong, University of Petrochemical Technology, China

Prof Hui-Ming Wee, Chung Yuan Christian University, Taoyuan, Taiwan

Prof Shawkat Ali, Hamad Bin Khalifa University, Qatar Foundation, Doha, Qatar

Prof Shailendra Jain, SLIET Longowal, Punjab, India

Prof Tripta Thakur, NPTI, Faridabad, India

Prof Aditya Trivedi, AVP-IIITM Gwalior, India

Prof Nishchal K Verma, IIT Kanpur, India

Prof Manoj Kumar Meshram, IIT(BHU) Varanasi, India

Prof Ram Bilas Pachori, IIT Indore, India

Prof Rajib Kumar Jha, IIT Patna, India

Prof S Dutta Roy, Professor, IIT Delhi, India

Prof Durgesh Mishra, IEEE Computer Society, India

Prof Lalit Kumar, IEEE IAS Society, India

Prof Sanjeevikumar Padmanaban, Aalborg University

Esbjerg Campus Denmark

Prof Girish Kumar Professor, IIT Bombay, India

Prof KM Bhurchandi, VNIT, Nagpur, India

Prof Karm Veer Arya, ABV-IITDM, Gwalior, India

Prof Surya Prakash, IIT Indore, India

Prof Pritee Khanna, PDPM-IIITDM Jabalpur, India

Prof Shekhar Verma Professor, IIIT Allahabad, India

Prof Sanjeev Narayan Sharma, PDPM-IIITDM, Jabalpur, India

Prof Mridula Gupta, Delhi University, Delhi, India

Prof Vineeta Saxena Nigam, UIT RGPV, Bhopal, MP, India

Prof Atul Negi, University of Hyderabad, India

Prof Anurag Shrivastava, ABP-IIITM Gwalior, India

1st IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSP 2023)

TECHNICAL COMMITTEE MEMBERS

- Dr Paul Rodrigues, King Khalid University, Saudi Arabia
Dr Badrul Hisham Ahmad, University Teknikal Malaysia Melaka
Dr LuÃs Barreto, Instituto PolitÃcnico de Viana do Castelo, Portugal
Dr Yashwant Kurmi, Radiology Dept. Mayo Clinic Rochester, MN, USA
Dr Tomonobu Senjyu, University of the Ryukyus, Japan
Dr Alvaro Rocha, University of Lisbon, Portugal
Dr Mu-Song Chen, Da-Yeh University, Taiwan
Dr Ayush Goyal, Texas A&M University – Kingsville, United States
Dr Arvind Bansal, Kent State University, Ohio, United States
Dr Afaq Ahmad, Sultan Qaboos University, Oman
Dr Tahir Khan, JIO Health
Dr Danilo Pelusi, University of Teramo, Italy
Dr Alex Wijesinha, Towson University, Maryland, United States
Dr Shahed Mohammadi, Ayandegan Univ. Tonekabon, Mazandaran, Iran
Dr Dalvan Griebler, Pontifical Catholic University of Rio Grande do Sul (PUCRS), Brazil
Dr Subarna Shakya, Institute of Engineering, Tribhuvan Univ., Nepal
Dr Guennadi Kouzaev, NTNU
Dr Sunil Datt Sharma, JUIT Wagnaghat, India
Dr Rudra Sankar Dhar, NIT Mizoram, India
Dr Gande Arun Kumar, NIT Warangal, India
Dr Ashish Raman, NIT, Jalandhar, India
Dr Biswajeet Mukherjee, PDPM IIITDM Jabalpur, India
Dr Sunanda Ambulker, NIT Puducherry, India
Dr Biman Debbarma, NIT Agartala, India
Dr Abdul Hannan Abdul Mannan Shaikh AlBaha University, AlBaha, Kingdom of Saudi Arabia
Dr Aniruddha Kanhe, National Institute Of Technology Puducherry
Dr Sunanda Manke, UIT, Barkatyllah University, Bhopal, India
Dr R. Dhaya, King Khalid University, Saudi Arabia
Dr Sanjeev Kumar Metya, NIT Arunachal Pradesh, India
Dr Sadhana Mishra, ITM University Gwalior, India
Dr Bharat Gupta, NIT Patna, India
Dr Vishal Ramesh Satpute, VNIT Nagpur, India
Dr Shailendra Singh Pawar, Eklavya University, Damoh, MP, India
Dr M. Marikkannan, Govt. College of Engg., Erode. Anna University, India
Dr Soni Changlani, LNCT Bhopal, India
Dr Pushpendra Singh, NIT Hamirpur, India
Dr Balwinder Raj, NITTTTR Chandigarh, India
Dr Vandana Vikas Thakare, MITS Gwalior, India
Dr Ramji Gupta, Parul University, Vadodara, Gujrat, India
Dr Uma Bhat, IET, DAVV, Indore, India
Dr Deep Kishore Parsediya, MITS Gwalior, India
Dr Anumoy Ghosh, National Institute of Technology Mizoram, India
Dr Anula Khare, TIT Bhopal M.P., India
Dr Y S Thakur, UEC Ujjain, India
Dr Vibha Tiwari, Technocrats Institute of Technology, Bhopal, India
Dr Priyadarshi Ashok Dahat, IET, DAVV Indore, India
Dr Ashutosh Datar, SATI Vidisha MP, India
Dr Karuna Markam, MITS Gwalior, India
Dr Kuldeep Singh, MNIT Jaipur, India, India
Dr Preetisudha Meher, NIT Arunachal Pradesh, India
Dr Rangababu Peesapati, NIT Meghalaya, India
Dr Bikash Chandra Sahana, NIT Patna, India
Dr Amit Joshi MNIT Jaipur, India
Dr Hemant Kumar Kathania, NIT Sikkim, India
Dr Vitthal J. Gond, Nasik, India
Dr Ajay Dadoriya, Amity University, Gwalior, India
Dr H. Venkatesh Kumar, NCET, India
Dr R. Kumar, SRM Institute of Science and Technology, India
Dr Ravi Shankar Mishra, SISTec Bhopal, India
Dr Mirza Tariq Beg, Jamia Millia Islamia, New Delhi, India
Dr Neeti Dugaya, OIST, Bhopal, India
Dr Vinay N A, Nagarjuna College of Engineering and technology, India
Dr Rasika Dhavse, SVNIT, Surat, India
Dr Smita Shrivastava, St Aloysius Inst. of Technology Jabalpur, India
Dr Koteswara Rao Peta, University of Delhi, South Campus, India
Dr Sanjay K. Sharma, UIT, RGPV Bhopal, India
Dr Sri Khetwat Saritha, MANIT Bhopal, India
Dr Vandana Roy, GGITSJabalapur, India
Dr Rajesh Nema, IES College of Technology, Bhopal, India
Dr Rama Valupadasu, NIT Warangal, India
Dr Ravi Mohan, SRIT Jabalpur, India
Dr Sangeeta Nakhate, MANIT, Bhopal, India
Dr Sandeep Sancheti, Marwadi University, Rajkot, India
Dr OP Meena, MANIT, Bhopal, India
Dr Sweta Jain, MANIT, Bhopal, India
Dr Atul Kumar, PDPM-IIITDM Jabalpur, India
Dr Ashish Raman, NIT Jalandhar, India
Dr Kapil K. Sharma, DY Patil International Univ., Pune, India
Dr Ghanshyam Singh, MNIT Jaipur, India
Dr Abhilash Mandloi, SVNIT Surat, India
Dr Trupa Sarkar, Women's Polytechnic, India
Dr Shamim Akhter JIIT Noida, UP, India
Dr Rajesh Kumar Vishwakarma, JUET, Guna, MP, India
Dr Sachin Gajjar, Nirma University, Ahmedabad, India
Dr Joyeeta Singha, LNMIIT, Jaipur, India
Dr Shruti Jain, JUIT, Solan, India
Dr Sandeep Raghuvanshi, SATI Vidisha M. P., India
Dr Bhartendu Chaturvedi, JIIT, Noida, UP, India
Dr Vijay Khare, JIIT Noida, India
Dr Akash Mecwan, Institute of Technology, Nirma University, India
Dr Amitabh Chatterjee, Shiv Nadar University, India
Dr Satish Kumar Jain, SGSITS Indore, India
Dr Anjana Jain, RGPV, Bhopal, India
Dr Madhur Deo Upadhayay, Shiv Nadar University, India
Dr Shweta Pandit, JUIT Wagnaghat, India
Dr Pardeep Garg, JUIT Wagnaghat, Solan, India
Dr Namita Tiwari, MANIT, Bhopal, India
Dr Kalyan Sasidhar, DAIICT, India
Dr Ravi Panwar, IIITDM Jabalpur, India
Dr Varun Bajaj IIITDM, Jabalpur, India
Dr Rutu Parekh, DA-IICT, Gandhinagar, India
Dr Shankar Bhattacharjee, LNMIIT Jaipur, India
Dr Shamim Akhter, JIIT Noida, India
Dr Devendra Kumar Shakya, SATI, Vidisha, M.P., India
Dr Koushik Dutta, ECE, IIITDM, Jabalpur, India
Dr Preeti Trivedi, SGSITS Indore, India
Dr Irshad Ahmad Ansari, PDPM-IIITDM, Jabalpur, India
Dr Navjeet Bagga, PDPM IIITDM Jabalpur, India
Dr Amit Vishwakarma, PDPM IIITDM Jabalpur, India
Dr Vaishali H. Dhare, ITNU, Ahmedabad, India
Dr Shubhi kansal, MITS, Gwalior, India
Dr Deepak Batham, MITS, Gwalior, India
Dr Navneet Upadhyay, LNMIT, Jaipur, India
Dr Neeraj Shrivastava, RJIT Tekanpur Gwalior, India
Dr Chirag Kumar, LNMIT, Jaipur, India
Dr Vrinda Tokekar, IET, DAVV, Indore, M.P., India
Dr Shilpi Tomar, SATI, Vidisha, India
Dr Gopinath Samanta, LNMIT, Jaipur, Jaipur, India
Dr Dinesh Rano, MITS Gwalior, India
Dr Anuj Kumar Maurya, JUIT, Wagnaghat, Solan, HP, India
Dr Sandeep Sharma, MITS Gwalior, India
Dr Chia-Hung Yeh, National Taiwan Normal University, Taiwan
Dr Naveen Jaglan, JUIT, India
Dr Trivesh Kumar, IIITDM Jabalpur, India
Dr Vivek Kapoor, IET, DAVV, Indore M.P., India
Dr Neelesh Mehra, SATI, Vidisha, India
Dr Nabin Kumar Sahu, DA-IICT, Gandhinagar, India
Dr Shahanaz Ayub, BIET, Jhansi, India
Dr Bahubali Shiragapur, DY Patil International Univ. Pune, India
Dr Jitendra Prajapati, Shiv Nadar University, India
Dr Sachin K. Jain, IIITDM Jabalpur, India
Dr Hardik Yogeshbhai Joshi, Nirma University, India
Dr Kamal Singh, Shiv Nadar University, India
Dr Nagendra Gajjar, Institute of Technology, Nirma University, India
Dr Yash Agrawal, DA-IICT Gandhinagar, Gujarat, India, India
Dr Sunita Varma, SGSITS, Indore, India
Dr Anil Kumar, IIITDM Jabalpur, India
Dr Akash Gupta, LNMIT, Jaipur, India
Dr Dharendra Pratap Singh, MANIT BHOPAL, India
Dr Dhaval Shah, Institute of Technology, Nirma University, India
Dr Ashish Raman, NIT, Jalandhar, India
Dr Sarika Pal, NIT Uttarakhand, India
Dr Piyush Patel, SVNIT, Surat, India
Dr Shilpi Tomar, SATI, Vidisha, India
Dr Kshitij Bhargava, IITRAM Ahmedabad, India
Dr Ujjawal Kalla, MANIT, Bhopal, India
Dr Priyanka Paliwal, MANIT, Bhopal, India
Dr Abhishek Rawat, IITRAM Ahmedabad, India
Dr Manish Sharma, IITRAM Ahmedabad, India
Dr Yudhishtir Raut, DY Patil University, Pune, India
Dr Manish Tiwari, Institute of Technology, Bilaspur, India
Dr Neha Sharma, Ujjain Engineering College, Ujjain, India
Dr Madhur Deo Upadhayay, Shiv Nadar University, India
Dr Raghavendra Bhalerao, IITRM, India
Dr Gaurav Pandey, IIT Delhi, India
Dr Tasneem Bano Rehman, SAGE University, Bhopal, India
Dr Bharti Gupta, LNCT, RGPV, Bhopal, India
Dr Mahesh Angira, NIT Hamirpur, India
Dr Soumitra Debnath, LNMIIT, Jaipur, India
Dr Ravi Kumar, JUET, Guna, India

1st IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSP 2023)

CONTACTS



Dr Vijayshri Chaurasia
ECE Dept, MANIT, Bhopal
vchaurasia@manit.ac.in



Dr Laxmi Kumre
ECE Dept, MANIT, Bhopal
laxmikumre@manit.ac.in

Address:
Link Road Number 3,
Near Kali Mata Mandir,
Bhopal, Madhya Pradesh, India 462003

Institute: <http://www.manit.ac.in>
Department of ECE
<http://www.manit.ac.in/content/electronics-communication-engineering>

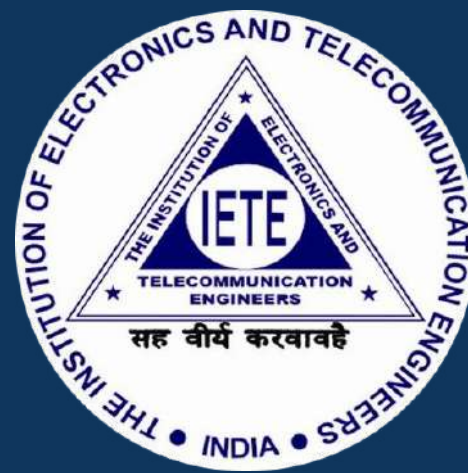
Conference Email ID: ihcsp.conf@gmail.com

Conference Website: <http://cms.ihcsp.in>

SPONSORS



CO-SPONSORS



BHOPAL AT A GLANCE

