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# 2nd International Conference On Signal Processing and Computer Vision (SIPCOV-2025)

**AUGUST 8 & 9, 2025**



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Organized by  
Department of Electronics and Communication Engineering  
National Institute of Technology Silchar  
Assam, India

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**MORE INFORMATION** —————>

**[HTTP://SIPCOV.NITS.AC.IN/](http://sipcov.nits.ac.in/)**

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## ABOUT SIPCOV 2025

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SIPCOV 2025 is the 2nd edition of the international conference series dedicated to advancing research and innovation in Signal Processing and Computer Vision. The conference aims to bring together renowned researchers, industry professionals, and academicians from leading institutions worldwide to foster collaboration, knowledge exchange, and interdisciplinary discussions.

Serving as a dynamic platform, SIPCOV 2025 will provide opportunities for participants to:

- Share groundbreaking ideas and recent advancements
- Present cutting-edge research findings
- Explore novel methodologies
- Address emerging challenges in the field

The conference will cover a wide range of real-world applications, including but not limited to:

- Image and Video Processing
- Medical Imaging and Technology

By bridging the gap between academia and industry, SIPCOV 2025 aims to facilitate meaningful interactions, drive technological advancements, and contribute to innovative solutions that address societal challenges.

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## ABOUT THE INSTITUTE

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National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act, was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In 2002, it was upgraded to the status of NIT from REC. NIT Silchar has situated on the banks of the river Barak and has a sprawling campus spread over 600 acres of land on Silchar's outskirts. The landscape of NIT Silchar is beautiful, with natural lakes and hillocks surrounded by tea gardens. The climate of Silchar during July is delightful, with an average temperature of around 20-25°C. NIT Silchar is a fully residential institution with nine hostels for boys and three hostels for girls. NIT Silchar is a teaching and research institute which steps in the various national and international ranking frameworks.

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## ABOUT THE DEPARTMENT

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The Department offers B.Tech. in Electronics and Communication Engineering and M.Tech. in two specializations (i) Micro-Electronics and VLSI Design & (ii) Communication and Signal Processing Engineering. This department also offers a Ph.D. in Electronics and Communication Engineering. The state-of-the-art laboratory facilities exist in the department to facilitate the UG, PG, and Ph.D. scholars to research the frontier research areas of Electronics and Communication Engineering. The faculty members are specialized in diverse fields, and there is a commendable research ambiance in the department. Department of Electronics and Communication Engineering takes up R & D projects sponsored by various funding agencies such as DST, SERB, BARC, MeitY CSIR, and many more.

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# CALL FOR PAPERS

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The Conference solicits papers in the areas of Signal, Image, and Video Processing, and Medical Imaging and Technology. Original and unpublished research papers from all viewpoints, including theory, practice, experimentation, and Survey highlighting specific research domains are invited from researchers, academicians and professionals throughout the globe for presentation in the technical sessions of the conference. The maximum allowable length of the paper is 10-12 pages (including figures and references) for regular research articles. Three experts will blindly review articles to decide their suitability for publication at the conference. Accepted and registered papers will be published in Springer CCIS (Submitted for Approval).

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## TOPICS AND TRACKS OF SIPCOV- 2025

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### **TRACK 1: SIGNAL, IMAGE, AND VIDEO PROCESSING**

Signal, Image, and Video Processing  
Audio, Speech and Music Processing  
Deep learning for Images and Video  
Supervised and unsupervised Learning Methods  
Data Analytics and Machine Learning  
Computer graphics and visualization  
Human Biometrics and Security Systems  
Social Network Analysis  
Natural language Processing and Sentiment Analysis  
Information retrieval  
Virtual Reality and 3-D Imaging  
Multimedia Security and Forensics

### **TRACK 2: MEDICAL IMAGING AND TECHNOLOGY**

Medical Image Analysis  
Computer-aided diagnosis  
Biomedical applications in molecular, structural, and functional imaging  
Ultrasonic imaging and tomography  
Medical Signal Acquisition, Analysis, and Processing  
Deep learning for Medical Imaging  
Biomedical & Health Informatics  
Applications in Electronic Health Records  
Neural and Rehabilitation Engineering  
Biomedical Engineering Education and Society  
Digital pathology  
Health monitoring devices  
Neuroimaging, X-ray, CT, PET, and SPECT  
Image perception, observer performance, and technology assessment  
Affordable prototype in Medical Imaging

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# IMPORTANT DATES

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**PAPER SUBMISSION STARTS: FEBRUARY 17, 2025**

**PAPER SUBMISSION DEADLINE: MAY 17, 2025**

**PAPER DECISION: JUNE 12, 2025**

**FINAL PAPER SUBMISSION: JUNE 17, 2025**

**REGISTRATION DEADLINE: JUNE 22, 2025**

**CONFERENCE DATES: AUGUST 8-9, 2025**

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## PAPER SUBMISSION LINK AND GUIDLINES

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Submissions should be made according to the Springer CCIS Conference format (LaTeX template, or Word template).

Papers should be submitted through the Microsoft CMT

<https://cmt3.research.microsoft.com/SIPCOV2025>

The papers should be in English. The maximum full-length size of the paper should be 12-15 pages (including references). Any published work or other conference/journal work submitted will be rejected in the preliminary stage.

All papers will be checked by Plagiarism checker software. The paper submissions must follow the Springer CCIS Conference formatting guidelines.

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# Keynote Speakers

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**PROF. BJÖRN W. SCHULLER,  
UNIVERSITY OF AUGSBURG,  
GERMANY**



**PROF. ALAIN TREMEAU,  
UNIVERSITY JEAN MONNET,  
SAINT-ESTIENNE, FRANCE**



**BORIS M. PUTRYA  
,NATIONAL RESEARCH  
UNIVERSITY OF ELECTRONIC  
TECHNOLOGY (MIET), MOSCOW,  
RUSSIA**



**PROF. MANAS KAMAL BHUYAN ,  
INDIAN INSTITUTE OF  
TECHNOLOGY GUWAHATI, INDIA**



**PROF. A.A. BAZIL RAJ ,  
DEFENCE INSTITUTE OF  
ADVANCE TECHNOLOGY, INDIA**



**PROF. MAHASWETA SARKAR  
SAN DIEGO STATE UNIVERSITY  
(SDSU), USA**



**PROF. KANDARPA KUMAR SARMA  
GUWAHATI UNIVERSITY,  
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CATEGORY	
International Participants (Outside India)	USD 200
Industrial Personal	INR 10,000
Student Author (Offline/Online)	INR 6000/4000
Academician (Offline/Online)	INR 8,000/6000
Attendees/Accompanying person	INR 3,000
Extra Pages: per page (if more than 15 pages)	INR 500

## CONTACT

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