

# PCEMS - 2026

## 5<sup>th</sup> International Conference on Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing

### Organizing Committee

#### Patron

**P. L. Patel**

Director, VNIT Nagpur, INDIA

#### General Chairs

**Ashwin Kothari**

VNIT Nagpur, IN

**Kishor Bhurchandi**

VNIT Nagpur

**Vishal Satpute**

VNIT Nagpur

#### General Co-Chairs

**Abhay S. Gandhi**

VNIT Nagpur

**Sudhir Kumar**

IIT Patna

**Nagendra Kumar**

ISRO

#### Conference Chairs

**Joydeep Sengupta**

VNIT Nagpur

**Neeraj Rao**

VNIT Nagpur



**October 30-31, 2026**

**CALL FOR  
PAPERS**

### About PCEMS 2026

Pioneered by the Department of Electronics & Communication Engineering at VNIT, PCEMS is dedicated to fostering a dynamic platform for researchers to showcase groundbreaking advancements in communication, embedded systems, machine learning, and signal processing. We welcome submissions of high-quality, original research papers for presentation at the conference. Interested researchers are encouraged to submit their full-length contributions in the specified tracks or any other related thematic areas of PCEMS 2026. All submissions that are accepted, registered and presented in the conference will be submitted to Scopus Indexed conference Proceedings for PCEMS 2026.

The complete proceedings of PCEMS 2024 can be found here:

<https://link.springer.com/book/9783031905766>

### Tracks

PCEMS'26 invites papers across a wide array of areas, including but not limited to :

#### Communication

5G and Beyond Communications, Channel Modelling and Performance, Optical Fibre and Photonic Communication, Localization Techniques in 5G, Radio issues in wireless sensor networks, Vehicle to Anything (V2X) communication, Intelligent Reflecting Surfaces, Antennas / RF / Microwave/ EMI / EMC, Molecular and Biological Communication, Protocols and Standards, Spectrum Sharing and Management

#### Signal and Image Processing

3D Image / Video Processing, Image Enhancement / Super Resolution / Restoration, Action and Event Detection / Recognition, Medical Image & Video Analysis, Remote Sensing, Hyperspectral Image Processing, Speech Signal Processing, Computational Imaging, Image / Video Encryption, Image / Video Compression, Satellite Image Processing, Document Image Analysis, Image / Video Retrieval, Speech Signal Processing

### Embedded, VLSI and IoT Systems

Intelligent Sensor Networks for Monitoring / Diagnosis / On Body, Sensor Networks in Automotive, IoT and Applications, Security issues in IoT, Flexible Electronics, E mobility

### AI and Machine Learning

Motion & Tracking, Video Surveillance, AI in Healthcare, Pattern Recognition, Computer-Aided Diagnosis, Machine Learning for Localization, Human Activity Detection and Recognition, Human Computer Interaction, Medical Image Reconstruction, Generative AI for Computer Vision, Explainable AI, AI for IoT

### Submission

All papers must be electronically submitted prior to the deadline through the PCEMS2026 Microsoft Research paper submission portal.

<https://cmt3.research.microsoft.com/PCEMS2026>

Authors should prepare their manuscripts of 12-15 pages. The manuscript must be submitted in pdf format only and the file size of your manuscript should not exceed 10 MB.

For additional information and author guidelines, kindly visit the PCEMS website. <https://vnit.ac.in/pcems2026/>

### Scan for Details



### Get in touch

Email: [pcems@vnit.ac.in](mailto:pcems@vnit.ac.in)

<https://vnit.ac.in>

[twitter.com/VNITN](https://twitter.com/VNITN)

Department of Electronics and Communication Engineering,  
VNIT Nagpur, Maharashtra, India Tel: +91 (712) 280 1557

### Important Dates

Paper Submission Starts	May 01, 2026
Paper Submission Deadline	June 15, 2026
Notification of Paper Acceptance	September 20, 2026
Camera Ready Submission Deadline	September 30, 2026
Paper Registration Deadline	October 20, 2026
Conference Dates	October 30-31, 2026

Organized by :

**Department of Electronics & Communication Engineering  
VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR**