

School of Electrical and Computer
Sciences, Indian Institute of
Technology Bhubaneswar



CALL FOR PAPERS

The 2nd IEEE International Conference on Power Electronics Converters for Transportation and Energy Applications PECTEA 2028

19-22 June 2028

AIM OF THE CONFERENCE

PECTEA-2028: "IEEE International Conference on Power Electronic Converters in Transportation and Energy Applications" aims to bring together leading academic scientists, researchers and industries (including start-ups) to exchange and share their experiences. It also provides the premier multidisciplinary forum for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Emerging Trends and Technology in Power, Electronics Converters in Transportation and Energy Applications.

CONFERENCE VENUE

The conference will take place at the green Argul campus of IIT Bhubaneswar, Jatni, Odisha, India



IMPORTANT DATE

1 JANUARY, 2028

Initial Paper
submission deadline

15 MARCH, 2028

Acceptance
notification

30 APRIL, 2028

Early bird registration
and final paper
submission

30 MAY, 2028

final paper
submission

19-22 JUNE, 2028

Conference
date

More Information

<https://conference.iitbbs.ac.in/pectea/index.php/2k28/>

In collaboration with:



HONORARY GENERAL CHAIR

Sanjib Kumar Panda, NUS Singapore

GENERAL CHAIR

Dipankar De, IIT Bhubanewar

ORGANIZING CHAIR

Chandrasekhar Perumalla, IIT Bhubanewar

TECHNICAL PAPERS ARE SOLICITED ON ANY SUBJECT PERTAINING TO THE SCOPE OF THE CONFERENCE INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING MAJOR TOPICS:

- Energy Conversion Systems and Applications
- Electric Mobility and Transportation
- Smart Transportation Systems
- Renewable and alternative energy power Electronics systems
- Power Converter Topologies, Components and Device
- Critical power and energy storage systems
- Aerospace energy conversion systems
- Grid-forming technologies
- High power/voltage power conversion (HVDC, FACTS and multi-terminal DC systems)
- Power-to-X and green hydrogen systems
- Microgrids, hybrid ac/dc grids, and DC grids
- Energy Access and off-grid systems
- Energy conversion for information technology and communication systems
- Electrification for commercial, industrial and transportation applications
- Big data and artificial intelligence in energy conversion
- Wireless power transfer
- Lighting applications and displays
- Industrial motor drives
- Medical, IoT and energy harvesting
- Power electronics for agriculture
- Solid state High voltage systems
- Wide Band Gap Semiconductor Devices - Development, Characterization, Applications
- Power System Protection, Management and Planning
- Digital Twin for AC-DC Multi-terminal Modern Grid Systems

SPECIAL SESSION

- Please get in touch with the Special Session Organization Chairs
 - Kumaravel S, NIT Calicut (kumaravel_s@nitc.ac.in)
 - Sateesh Kumar Kuncham, NIT Trichy (sateesh@nitt.edu)

with cc to pectea2028@iitbs.ac.in to discuss the inclusion of your 'special session' in the PECTEA-2028 programme.

- Last date to submit proposal: 1 December 2027
- Last date to submit papers in Special Session: 1 January 2028.

- All registered and presented papers will be submitted to IEEE Xplore for possible publication subject to fulfilling the IEEE eligibility criteria.
- Extended versions of papers accepted in the conference can be submitted to IES Journals for review.
- Extended versions of 20% of the presented papers (that are within the IAS scope) will be eligible for further review and possible publication in IEEE Transactions on Industry Applications or Industry Applications Magazine.

For SPONSORSHIP & EXHIBITION OPPORTUNITIES - see conference website and please in touch with Srinivas Bhaskar Chaganti, Kamma Gear Flywheel Ltd and Navjeet Bagga IIT Bhubaneswar

KEY SPEAKERS



Sanjib Kumar Panda
National University of Singapore



John Hayes
UCC Ireland



Pat Wheeler
University of Nottingham



Sukumar Mishra
IIT Dhanbad (IIT Delhi)



Rajeev Kumar Singh
IIT (BHU) Varanasi



Bhim Singh
IIT Delhi



PSheldon S. Williamson
University of Ontario Institute of Technology



Frede Blaabjerg
Aalborg University



Atif Iqbal
Qatar University

REGISTRATION FEES

INDIAN DELEGATES*

Early Bird (1-30 April, 2028)

IEEE Member #	INR 12000
IEEE Non-Member #	INR 13000
IEEE Student Member	INR 6000
IEEE Student Non-Member	INR 7500
Accompanying Person **	INR 6000

Regular

IEEE Member #	INR 14000
IEEE Non-Member #	INR 15000
IEEE Student Member	INR 7000
IEEE Student Non-Member	INR 8500
Accompanying Person **	INR 6000
Gala Dinner	INR 1500

FOREIGN DELEGATES*

Early Bird (1-30 April, 2028)

IEEE Member #	USD 300
IEEE Non-Member #	USD 350
IEEE Student Member	USD 150
IEEE Student Non-Member	USD 200
Accompanying Person **	USD 200

Regular

IEEE Member #	USD 400
IEEE Non-Member #	USD 450
IEEE Student Member	USD 200
IEEE Student Non-Member	USD 250
Accompanying Person **	USD 200
Gala Dinner	USD 50

*18% GST and other Transaction Charges to be paid extra

** No access to Technical Events

*5% discount will be provided for IEEE IES Members

Includes registration of one accepted paper and additional one paper will be for 50% of the full registration fees . For a third paper, an additional full registration will be required.

TUTORIALS

- Several tutorials (either half- or full-day) will be held prior to the conference on 19 June 2028. Scholars and experts who are intending to propose a tutorial related to all topics of the conference at PECTEA-2028 are cordially invited to send a proposal directly to the Tutorial Chair Dr. Pradyumn Chaturvedi (pc220774@gmail.com) with cc to pectea2028@iitbbs.ac.in
- The proposal consists of a three-page summary including tutorial title, name and affiliation of the lecturer(s), tutorial objectives and audience, topical outline and provisional schedule of the tutorial

Please send your proposal until 15th March 2028