

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

Regular registration and final paper submission

19-22 JUNE, 2028

Conference date

More Information

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

In collaboration with:



IEEE POWER ELECTRONICS SOCIETY



HONORARY GENERAL CHAIR

Sanjib Kumar Panda, NUS Singapore

GENERAL CHAIR

Dipankar De, IIT Bhubaneswar
Pandu Ranga Vundavilli, IIT Bhubaneswar

ORGANIZING CHAIR

Chandrasekhar Perumalla, IIT Bhubaneswar

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
- Mechanical Systems for Electric vehicles

SPECIAL SESSION

- Please get in touch with the Technical Program Chairs
 - Prof. N. Kumaresan, NIT Trichy (nkumar@nitt.edu)
 - Dr. Dipankar De, IIT Bhubaneswar (dipankar@iitbbs.ac.in)
 - Prof. Frede Blaabjerg, Aalborg University (fbl@energy.aau.dk)
 - Prof. Atif Iqbal, Qatar University (atif.iqbal@qu.edu.qa)

with cc to pectea2028@iitbbs.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 and PELS journals for review.
- Extended versions of ALL (100%) presented papers will be eligible for further review and possible publication in IEEE Transactions on Industry Applications or Industry Applications Magazine.

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 (1-30 May, 2028)

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

Tutorial (Half Day) INR 1500

Tutorial (Full Day) INR 2500

Gala Dinner INR 1200

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 (1-30 May, 2028)

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

Tutorial (Half Day) USD 50

Tutorial (Full Day) USD 100

Gala Dinner USD 50

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

*5% discount will be provided for IEEE IES and PELS Members

Includes registration of one accepted paper

** No access to Technical Events

For SPONSORSHIP & EXHIBITION
OPPORTUNITIES - see conference website

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