



# CALL FOR PAPERS

## ECCE ASIA 2025 IEEE ENERGY CONVERSION CONGRESS & EXPO BENGALURU, MAY 11<sup>TH</sup> - 14<sup>TH</sup>, 2025

The 17<sup>th</sup> IEEE ECCE Asia scheduled to take place from May 11<sup>th</sup> to 14<sup>th</sup>, 2025, in Bengaluru, India. This event is organized by the IEEE Power Electronics Society (PELS). Since its inception, ECCE Asia has evolved into a highly respected conference that significantly contributes to the progress of power electronics technologies. The conference will offer diverse programs, including notable presentations, industry exhibitions, networking opportunities, and tours, fostering productive discussions and facilitating interdisciplinary collaborations to advance your research endeavors.

### IMPORTANT DATES

## DEADLINE FOR DIGEST SUBMISSION

**15<sup>th</sup> December 2024**

**January 15<sup>th</sup> 2025**

Author Notification Deadline

**February 15<sup>th</sup> 2025**

Deadline for Final Paper Submission  
with IEEE Copyright Forms

All accepted papers can be upgraded to the following journals of the IEEE Power Electronics Society (with 30% improvement in the content)

- IEEE Transactions on Power Electronics (TPEL)
- IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE)
- IEEE Transactions on Transportation Electrification
- IEEE Open Journal of Power Electronics

"PARTICIPATING AUTHORS ARE ELIGIBLE FOR  
**STUDENT TRAVEL GRANTS**  
FOR ATTENDING ECCE ASIA 2025"

### DIGEST SUBMISSION

Prospective authors are requested to submit a single column digest, according to the provided template, no longer than five (5) pages (including references) summarizing the proposed paper. The digest should include key equations, figures, tables, and references as appropriate, but no author names or affiliations. Digests not conforming to these requirements will be rejected without review. The digests must clearly state the objectives of the work, its significance in advancing the state of the art, and the methods and specific results in sufficient detail. All digests will go through a double-blind peer review process to ensure a confidential and fair review. The papers presented at the conference will be included in the IEEE Xplore Digital Library. Please refer to the conference website for a detailed list of technical topics and the digest submission method. please visit our website at [www.eceasia2025.org](http://www.eceasia2025.org)

### CONFERENCE COMMITTEE

#### GENERAL CHAIR

**Deepak Divan**  
Honorary General Chair  
Georgia Tech, USA

**Kaushik Basu**  
General Chair  
Indian Institute of Science,  
Bangalore, India

**Sanjib Panda**  
General Co-Chair  
National University of  
Singapore

**Lakshminarasamma N**  
General Co-Chair  
Indian Institute of Technology,  
Madras, India

#### ORGANIZING CHAIR

**Vishal Anand A G**  
Bloom Energy,  
India

**Srinivas Bhaskar Karanki**  
Indian Institute of Technology,  
Bhubaneswar, India

#### SPECIAL SESSIONS CHAIR

**Arun Verma**  
IIT Jammu,  
India

#### TPC CHAIR

**Santanu Mishra**  
IIT Delhi, India

**Sheldon Williamson**  
Ontario Tech  
University, Canada

**Keiji Wada**  
Tokyo Metropolitan  
University, Japan

**Arvind Tiwari**  
GE, USA

**Kai Sun**  
Tsinghua University,  
China

**Pradyumn Charurvedi**  
VNIT, India

**Suyong Chae**  
Postech, Korea

**Moumita Das**  
IIT Mandi, India

**Jinia Roy**  
University of Wisconsin  
Madison, USA

#### WIE CHAIR

#### TUTORIAL CHAIR

**Chandan Kumar**  
IIT Guwahati, India

#### INDUSTRY CHAIR

**M K Badapanda**  
Raja Ramanna Centre for  
Advanced Technology, Indore

**Shashidhar Mathapati**  
Delta Electronics,  
India

**Ranganathan G**  
Bloom Energy,  
India

#### ORGANIZING VICE CHAIR

**Pallavi Bharadwaj**  
IIT Gandhinagar,  
India

**Biju K**  
APJ Abdul Kalam University,  
India

#### PUBLICATION CHAIR

**Jaison Mathew**  
GEC Thrissur,  
India

## Plenary Speakers



**Sanjib Kumar Panda**  
NUS, Singapore



**Sudip Mazumder**  
Illinois Institute of  
Technology, USA



**Deepak Divan**  
Georgia Tech, USA



**Frede Blaabjerg**  
Aalborg University,  
Denmark



**Johanan Kolar**  
ETH Zurich,  
Switzerland



**Dragan Maksimovic**  
University of Colorado  
Boulder, USA



**Jinjun Liu**  
Xi'an Jiaotong  
University, China



**Jun-ichi Itoh**  
Nagaoka University,  
Japan



**Prasad Enjeti**  
TAMU, USA



**Akshay Kumar Rathore**  
Singapore Institute of  
Technology, Singapore



**Bhim Singh**  
IIT Delhi, India



**José Rodríguez Pérez**  
Universidad San  
Sebastián, Chile



**Partha Sarathi  
Sensarma**  
IIT Kanpur, India



**Marco Liserre**  
University of Kiel,  
Germany



**B G Fernandes**  
IIT Bombay, India



**Dushan Boroyevich**  
Virginia Polytechnic  
Institute and State  
University, USA



**G Narayanan**  
IISc Bengaluru,  
India



**Udaya Madawala**  
University of Auckland,  
New Zealand



**Cian Ó Mathúna**  
Tyndall National  
Institute, University  
College Cork



**Sewan Choi**  
Seoul National University  
of Science and Technology,  
Korea



## Tutorial Speakers



**Vinod John**  
IISc Bengaluru,  
India



**Marco Rivera**  
University of Nottingham,  
UK



**Mukul Chandorkar**  
IIT Bombay, India



**Johan Enslin**  
Clemson University,  
USA



**Brad Lehman**  
Northeastern University,  
USA



**Subhashish Bhattacharya**  
North Carolina State  
University, USA



**Sheldon Williamson**  
Ontario Tech University,  
Canada



**Patrick Wheeler**  
University of Nottingham,  
UK



**Sarasij Das**  
IISc Bengaluru,  
India



**Ke Ma**  
Shanghai Jiao Tong  
University, China



**Paolo Mattavelli**  
University of Padova,  
Italy



**Kyo-Beum Lee**  
Ajou University,  
Korea



**Liuchen Chang**  
University of New  
Brunswick, Canada



**Shuang Xu**  
University of New  
Brunswick, Canada



**Stig Munk-Nielsen**  
Aalborg University,  
Denmark



**Anwesha Mukhopadhyay**  
University of Tennessee,  
Knoxville, USA



**Thomas Ebel**  
University of  
Southern Denmark



**RamKrishnan Maheshwari**  
University of  
Southern Denmark



**Supratim Basu**  
Bose Research,  
India



**Ayan Mallik**  
Arizona State University,  
USA





## HAMPI

Hampi, the city of ruins, is a UNESCO World Heritage site. Nestled amid a craters and hills, the city is home to 500 ancient monuments, beautiful temples, bustling street markets, bastions, treasury building and captivating remains of Vijayanagara Empire. Hampi is a backpacker's delight. Hampi was the capital of Vijayanagara Empire around 1500 AD, and by some accounts was the largest city in the world.



## MYSORE

Famous around the world for the Mysore Dussera festival, Mysore served as the capital of the Wodeyar dynasty. The palace is one of the most famous tourist attractions in the country after Taj Mahal. Apart from the palace, one could visit the famous Mysore zoo and many ancient temples nearby such as Srirangapatna and Nanjangud. The city is also famous for its rich and delicious Mysore Pak, a sweet made of clarified butter, sugar and gram flour.



## BANDIPUR NATIONAL PARK

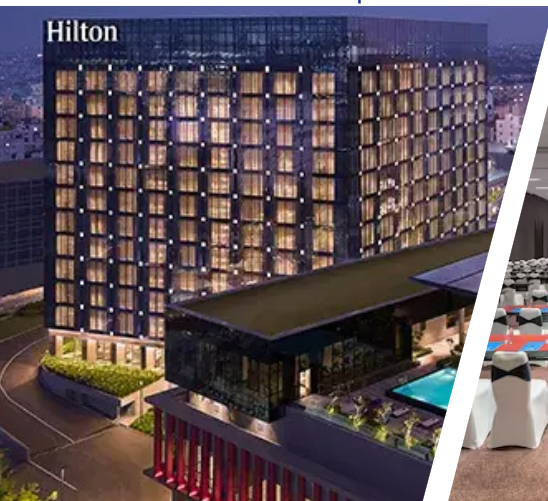
Bandipur National Park second highest Tiger population in India. Bandipur National Park is located in Gundulpet taluk, Chamarajanagar district. Park is the part of Nilgiri Biosphere Reserve making it largest protected area in Southern India and largest habitat of Wild Elephants in South Asia. Tigers, Indian Elephants, Leopard, Dhole, Sambar, Sloth bear, Chital many more animals and Birds can be spotted in the Bandipur National park.



## BELUR - HALEBIDU

Belur is a town and taluk in Hassan district in the state of Karnataka, India. The town is renowned for its Chennakeshava Temple dedicated to Vishnu, one of the finest examples of Hoysala architecture and the largest Hindu temple complex that has survived from pre-14th-century Karnata-Dravida tradition.

Halebidu is a town located in Hassan District, Karnataka, India. Historically known as Dwarasamudra, Halebidu became the regal capital of the Hoysala Empire in the 11th century CE.



Hilton gateway of Manyata Business Park, adjacent to Karle Town Centre and within 10 minutes of Hebbal, Bhartiya City, Brigade Magnum, Brigade Opus, and shopping destinations in North Bengaluru. Kempegowda International Airport is 30 minutes away. Enjoy our two restaurants and stylish lobby bar, as well as a rooftop pool and fitness center.

Mavalli Tiffin Rooms, known more popularly as MTR, was established in 1924 and is one of Bangalore's oldest and most well known restaurants.



## INTERNATIONAL FLIGHT CONNECTIVITY FROM BENGALURU

