6th International Conference on
Energy, Power, and Environment
(Towards Indigenous Energy Utilization)

20th June, 2024 – 22nd June, 2024

Venue: National Institute of Technology Meghalaya, Shillong, India | https://sites.nitm.ac.in/icepe2024/

Conference Theme
ICEPE 2024 is the 6th IEEE International Conference on Power Energy and Environment, which is being organized by the Department of Electrical Engineering, NIT Meghalaya, Shillong, India during 20th June – 22nd June 2024. The conference is proposed with a basic theme "**Towards Indigenous Energy Utilization**". ICEPE 2024 will provide an opportunity to the practicing engineers, academicians, and researchers to meet in a common forum to discuss various issues and its future direction in the field of Indigenous Energy Utilization. There are various tracks in the conference, which mainly focuses on the power, energy and environment. The conference aims to put together the experts from the relevant research domains to share their knowledge and ideas with a direction towards future research scope.

Call for Special and Regular Session Papers
The details of call for special as well as regular session papers will be updated in the conference website. Please follow the conference link for more details. Regular sessions within the scope of the following topics, but not limited to:

Call for Papers

Modern Power Systems
Transactive Markets, Cyber Security, Smart Grids, Power Quality and harmonics, Grid integration of renewable sources, Protection and switchgear, Power System Monitoring, control and energy management, Power system reliability, Electricity markets, challenges, operation, High Voltage Engineering, HVDC and FACTS

Advanced Power converters
Wireless charging, Electric Vehicles, New power converters, Converter topologies, modulation techniques & control

Renewable energy sources
Renewable energy sources and Technology, Solar/Wind energy systems and its integration, Distributed Generation and Grid Interconnection, Micro grid/Smart grid control, Integration of energy storage systems, Biomass, Hydrogen based sources, Energy Harvesting, Green energy issue

E-Mobility
Electric Vehicles, Battery Management System, Metering systems, EV drive train, electric motor drives

Signal Processing & Communication Technologies
Optimization techniques, Big Data Analytics, Cloud Computing, Antenna communication, Embedded system, Industrial Informatics, Image Processing, Identification, and Signatures

Control & Instrumentation
Control Systems, Optimization, Industrial Control System, Mechatronics, Robotics, Electrical Quantities, Sensor Setworks, Instrumentations and Measurement System

Working Language
The working language of the conference is English, which will be used for all printed material, presentations and discussion.

Publication
The conference will received technical co-support by IEEE and others. Accepted and orally presented papers will be submitted to IEEE Xplore and associated indexing. Further, few presented papers in the conference would be eligible for submission to IEEE IAS.

Author's Guidelines
Prospective authors are invited to submit full papers (upto 6 pages in IEEE template) in PDF format. The conference paper template can be downloaded from the link http: // www.ieee.org / conferences_events / conferences / publishing / templates.html. All papers must include title, complete contact information of all the authors, abstract and key words on the first page. Further details, please visit conference website.

Conference Deadlines

Submission of full regular papers	Apr 07, 2024
Paper acceptance notification	Apr 20, 2024
Early registration	May 06, 2024
Submission of camera-ready paper	May 15, 2024
Final registration with 10% extra fee	May 31, 2024

Registration Details

Regular member	₹ 15000	$ 450
IEEE/IET member	₹ 13000	$ 400
Student member	₹ 12000	$ 350
IEEE/IET student member	₹ 10000	$ 300
Co-author	₹ 8000	$ 200
Accompany member	₹ 5000	$ 180

Note: ₹ and $ for National and International participants respectively

About NIT Meghalaya
National Institute of Technology Meghalaya was established in the year 2010 as Institute of National Importance with full funding support from the MHRD, Govt. of India. Its permanent campus is being set-up at Sohra (Cherrapunjee), Meghalaya which is endowed with pristine beauty and greenery. The institute is functioning in its temporary campus at Shillong in East Khasi Hills district of Meghalaya and is about 2 kms from the main bus stand of Shillong on Police bazaar – Laitumkhrah roadway. The city of Shillong is well connected with rest of country by road. The nearest railway station is at Guwahati (Assam), at a distance of 100 kms from Shillong. The nearest airport is within city (25 kms). The place has healthy climate with temperature ranging from 17.5°C to 23.7°C during Sep and is at an average altitude of 1496 m above sea level.

About Department
The Department of Electrical Engineering was established in the year 2010. The Department offers B.Tech with intake capacity of 30, M.Tech with intake capacity of 20, and PhD programmes. The department is well equipped with laboratories; computers, latest simulation software's and our students are exposed to recent technologies and techniques. The department has well experienced and dedicated faculty members with different specializations.

Shillong Attractions
Shillong is the only hill station in the country that is accessible from all sides. The name Shillong is derived from U-Shyllong, a powerful deity and is situated at an altitude of 1496 m above sea level with attractions like Lady Hydari Park, Ward's Lake, Don Bosco Centre for Indigenous Cultures, Spread Eagle Falls, Sweet Falls, Elephant Falls, Shillong Peak, Capt. Williamson Sangma State Museum.

Patton
Pinakeshwar Mahanta, Director, NIT Meghalaya, India

General Chairs
Ramu Krishnan, Virginia Tech, US
Tarlochan S Sidhu, Ontario Tech University, Canada

Advisory Board
Akshya Swain, University of Auckland, New Zealand
Bidyadhar Subudhi, Indian Institute of Technology Goa, India
Sukumar Mishra, Indian Institute of Technology Delhi, India
Somnath Majhi, Indian Institute of Technology Guwahati, India
P. Sumathi, Indian Institute of Technology Roorkee, India
Nischal Verma, Indian Institute of Technology, Kanpur, India
Priyanath Das, National Institute of Technology, Agartala, India

Technical Program Chairs
Chandan Kumar Chanda, IIEST Shibpur, India
Praveen Tripathy, Indian Institute of Technology Guwahati, India
Sushil Chauhan, National Institute of Technology Hamirpur, India

Technical Program Committee
Ashok Kumar Pradhan, Indian Institute of Technology Kharagpur, India
Dipankar Debnath, Indian Institute of Technology Kharagpur, India
Bhavana Narval, Indira Gandhi Delhi Technical University For Women, India
Supriyo Das, , National Institute of Technology Jamshedpur India
Ankit Dalal, Indian Institute of Technology Bhubaneswar, India
Atanu Baneerjee, IIEST Shibpur, India
N. Biradar, BKIT, Bhalki, Karanataka, India
Om hari gupta, , National Institute of Technology Jamshedpur, India

Steering Committee
D. K. Sarma, NIT Meghalaya
A. Bhattacharjee, NIT Meghalaya
H. C. Das, NIT Meghalaya
S. Mukherjee, NIT Meghalaya
C. Marthong, NIT Meghalaya
P. S. Mangang, NIT Meghalaya
R. N. Mahapatra, NIT Meghalaya
A. K Paul, NIT Meghalaya
T. Bora, NIT Meghalaya
K. Debnath, NIT Meghalaya
Surmila Thokchom, NIT Meghalaya
P. K. Saha, NIT Meghalaya
H. M. Kalita, NIT Meghalaya
A. K. Jena, NIT Meghalaya

Organizing Chairs
Milan Singh, NIT Meghalaya
Rakesh Roy, NIT Meghalaya

Program Chairs
Atanu Banerjee, IIEST Shibpur
Shaik Affijulla, NIT Meghalaya

Publicity & Publication Chairs
Gayadhar Panda, NIT Meghalaya
Sanjoy Debbarma, NIT Meghalaya
Piyush Pratap Singh, NIT Meghalaya

Sponsorship Chairs
Shaik Affijulla, NIT Meghalaya
Ksh Milan Singh, NIT Meghalaya
Rakesh Roy, NIT Meghalaya

Finance Chairs
Shaik Affijulla, NIT Meghalaya
Ksh Milan Singh, NIT Meghalaya

Web & IT Chairs
Akhilendra Pratap Singh, NIT Meghalaya
Surmila Thokchom, NIT Meghalaya
Rakesh Roy, NIT Meghalaya

CONTACT INFORMATION
Dr. Ksh Milan Singh (Ph: 9402102390)
Dr. Rakesh Roy (Ph: 9485177026)
Organizing Chair, ICEPE 2024
Department of Electrical Engineering,
National Institute of Technology Meghalaya,
Bijni Complex, Laitumkharah,
Shillong, Meghalaya – 793 003

CONFERENCE WELCOMES
Further details please visit our conference website |
https://sites.nitm.ac.in/icepe2024/