



2nd International Conference on Energy, Power and Environment (Theme: Towards Smart Technology)



IEEE Kolkata Section

ICEPE 2018

ICEPE – 2018

June 1 - 2, 2018

Venue: National Institute of Technology Meghalaya, India

website: icepe2018.nitmeghalaya.in

Technical Co-Sponsor

Patron

B.B. Biswal, Director, NIT Meghalaya

General Chair(s)

Chandan Chakraborty, IIT Kharagpur
Sukumar Mishra, IIT Delhi

General Co-Chair(s)

Akshay Kr. Rathore, Concordia University
Kishore Chatterjee, IIT Mumbai
Atanu Banerjee, NIT Meghalaya

Organizing Chair

Sanjoy Debbarma, NIT Meghalaya

Organizing Co-Chair(s)

P.P. Singh, NIT Meghalaya
Affijulla Shaik, NIT Meghalaya

Finance & Sponsorship Chair(s)

Mousam Ghosh, NIT Meghalaya
Affijulla Shaik, NIT Meghalaya
P.P. Singh, NIT Meghalaya

Publication & Publicity Chair(s)

S. Das, NIT Meghalaya
Ksh. Milan Singh, NIT Meghalaya

Web Administrator(s)

Rajarshi Ray, NIT Meghalaya
Supriyo Das, NIT Meghalaya

Local Organization Chair(s)

Sanjoy Debbarma, NIT Meghalaya
Biswajit Halder, NIT Meghalaya
Ksh. Milan Singh, NIT Meghalaya

Advisory Committee

D Thukaram, IISc Bangalore, India
Lalit Kumar Goel, NTU Singapore, Singapore
Sivaji Chakravorti, Jadavpur University, India
Sujit Kumar Biswas, Jadavpur University, India
Debapriya Das, IIT Kharagpur, India
C.Y. Chung, University of Saskatchewan, Canada
Abhijit Chakraborty, IIST Shibpur, India
N C Shivaprakash, IISc Bangalore, India
Udaykumar R Yarangatti, MNIT Jaipur, India
Pradip Kumar Sadhu, IIT (ISM) Dhanbad, India
C. Mahanta, IIT Guwahati, India
Shrikrishna A. Khaparde, IIT Bombay, India
Radhakant Padhi, IISc Bangalore, India
S.N Singh, IIT Kanpur, India
Somanath Majhi, IIT Guwahati, India
Biswarup Basak, IEST Shibpur, India
Sujit Kr. Dutta, NIT Meghalaya, India

Technical Program Committee & Chair(s)

Bidyadhar Subudhi, NIT Rourkela, India
Nidul Sinha, NIT Silchar, India
C.K. Chanda, IEST Shibpur, India
B.K. Roy, NIT Silchar, India
Nilanjan Senroy, IIT Delhi, India
K. Srivastava, ABB Global Research Lab, Sweden
Praveen Kumar, IIT Guwahati, India
Suryanarayana Doolala, IIT Bombay, India
Praveen Tripathy, IIT Guwahati, India
L.C Saikia, NIT Silchar, India
G. Panda, NIT Meghalaya, India
Supriyo Das, NIT Meghalaya
Sanjoy Debbarma, NIT Meghalaya
P.P. Singh, NIT Meghalaya
Rakesh Roy, NIT Meghalaya

Conference Theme

ICEPE is an international forum for the exchange of recent advancement in electrical technologies and applications. The first ICEPE conference was organized successfully in the year 2015 at NIT Meghalaya and all the accepted papers are available in IEEE Xplore Digital Library. ICEPE 2018 is expected to bring together researchers, professors, students, practitioners and technocrats from across academia, governmental/ non-governmental organization, and industry to discuss and share the recent works across all aspects of electrical engineering as well as related environmental issues. Distinguished people will be invited to deliver keynote speeches and invited talks on recent trends and significant developments in the emerging technologies. The theme of the conference is "Towards Smart Technology" and will emphasize on integration of smart technology to overcome the challenges effectively and reliably. In the time of increased awareness among people about the environmental problems, intensive international efforts to reduce emission of greenhouse gases and increased generation of electrical energy to facilitate industrial growth; the conference offers a broad contribution towards achieving the goals of diversification and sustainable development. The scope of the conference is to promote a forum, where researchers and engineers involved with electrical power systems may exchange their experiences and present solutions for actual and future problems. The conference offers a platform to the prominent academicians and industrial practitioners from all over the world to discuss about the future of electrical energy and environmental issues and presents a base for identifying directions for continuation of research.

Important Tracks		
Power Systems & Smart Grid	Signal Processing and Measurements	Control Systems & Mechatronics
<ul style="list-style-type: none"> Power Generation, Transmission and Distribution Grid Integration of Renewable sources Protection and Switchgear Power Electronics and Electrical Machine Drives Power System Components Modeling Power System Reliability Power System Operation and Control High Voltage Engineering Demand Side Management & Smart Building Vehicle-to-Grid Infrastructure Operation & Control under Transactive Energy Market Restructured/ Deregulated Power System Power Quality 	<ul style="list-style-type: none"> Identification and Signatures Electrical Quantities Electrical Measurements Embedded and Control Systems Digital Signal Processing Ultrasonic Vibration Measurement 	<ul style="list-style-type: none"> Nonlinear Systems & Control Process Control and Instrumentation Robotics and Intelligent Autonomous Vehicles Systems Modelling and Identification Estimation theory and Applications Model Predictive Control Adaptive and Learning Systems
Environmental Pollution		Renewable Energy Sources
<ul style="list-style-type: none"> EM Spectrum Management Power Quality and Harmonics Emission Optimization Techniques 	<ul style="list-style-type: none"> Solar energy Wind energy Biomass Energy Harvesting Hydrogen based Sources Green Energy Issues 	

Author's Guidelines

Prospective authors are invited to submit full papers (up to 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.

Working Language

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

Important Dates

Submission of Paper	1st Jan, 2018
Paper Submission Deadline	1st Mar, 2018
Paper Acceptance Notification	25th Mar, 2018
Submission of Camera Ready Paper	25th Apr, 2018
Final Registration	15th May, 2018

Publication

The conference received technical co-support by IEEE. All the accepted and presented papers shall be submitted to IEEE Xplore Digital Library and edings®. **Conference Record No. : 43670**

Members	Registration Details	
	National Participants (Rs.)	International Participants (USD)
Regular member	6000	400
IEEE member	5000	350
Student member	4000	300
Accompany member	2000	200

About NIT Meghalaya

National Institute of Technology Meghalaya was established in the year 2010 as an 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 bazar-Laitumkhrak roadway. The city of Shillong is well connected with rest of country by road. The nearest railway station is in 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 June and is at an average altitude of 1496 m above sea level.

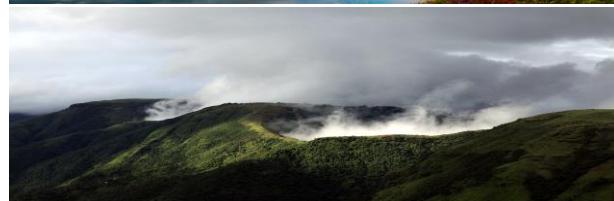
About Department

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 programme. The department is well equipped with laboratories, latest computers and simulation softwares; our students are given exposure to recent technologies and techniques. The department has well experienced and dedicated faculty members with different specializations.

Contact Information

Organizing Chair & Co-Chair, ICEPE 2018
Electrical Engineering Department
National Institute of Technology Meghalaya
BDJN Complex, Laitumkhrak, Shillong
Meghalaya, India
9485177007 / 9485177065
Email: icepe2018@nitm.ac.in

About Shillong: Shillong is the only hill station in the country that is accessible from all sides. The name Shillong is derived from U-Shillong, 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 and Capt. Williamson Sangma State Museum.



CONFERENCE WELCOMES SPONSORS

Platinum, Gold, Silver, Bronze, and Other categories are available. For further details please visit our conference



Advancing Technology
for Humanity