

PECon-2021

International Power and Energy Conference

Theme: Smart Technologies for Power and Renewable Energy



Keynote Lectures



Paper Presentation



Poster Presentation

Feb 1 – 3
2021



 www.eee.fisat.ac.in/pecon

 eee@fisat.ac.in

Electrical power and energy systems have gained a translational change in recent times. The entire world has been witnessing a big leap from conventional power and energy systems to smart grid systems and distributed generation systems. In the present scenario, information technology cannot be set apart from being integrated into these electrical systems. The theme of this conference is "Smart Technologies for Power and Renewable Energy" and includes keynote lectures, paper presentations and virtual poster presentations. The aim of the conference is to create a platform where experts from academia and industry share the recent developments in this area by which researchers, students and faculty get benefitted. The Energy Management Centre, Govt of Kerala and The Institution of Engineers (India), Kochi Local Centre are associating with in organising PECon-2021.

Department of Electrical and Electronics Engineering
Federal Institute of Science And Technology (FISAT)[®]
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Keynote Speakers



Dr. Ned Mohan

Regents Professor, Fellow: IEEE
National Academy of Engineering,
Electrical & Computer Engineering,
University of Minnesota, USA



Dr. Hossam Gaber

PhD, PEng, RAMSP Fellow
Professor
Ontario Tech University, Toronto,
Canada



Dr. Chem Nayar

Emeritus Professor, Curtin
University, Entrepreneur and
Researcher, Willetton, Western
Australia, Australia



Dr. Yuanrui Sang

Assistant Professor
Electrical and Computer Engineering,
College of Engineering,
The University of Texas at El Paso,
USA



Dr. Nitin Padmanabhan

Postdoctoral Fellow
University of Waterloo, Kitchener,
Ontario, Canada



Dr. Rajeevan P. P.

Associate Professor,
Department of Avionics,
Indian Institute of Space Science
and Technology,
Trivandrum, India

Scope

Smart Grid, Microgrid, Power Grid Integration, Advanced Metering Infrastructure (AMI), Transactive Energy, Impact of Electric Vehicles in Grid, Evaluation of power systems that are affected by Sustainable Energy, Application of GIS in distribution system, Transmission Monitoring, Power Electronic Application in Renewable Energy Integration, Demand Side Management and Energy Policy, Control Strategy in Power System, Transmission Operations and Security, Dynamic Security Assessment

Call for Papers

Papers are invited from all prospective authors. Full length papers submitted based on the abstract acceptance, will be peer reviewed by expert review team and then selected for oral presentation. Around 25 experts in this field have agreed to review the manuscripts. The proceedings of the conference will be published with ISBN number. For submission related details, please visit our conference website: www.eee.fisat.ac.in/pecon.



FISAT

Federal Institute of Science And Technology (FISAT) is a private self-financing Engineering College, established and run by the Federal Bank Officers' Association Educational Society (FBOAES). The FBOAES is an initiative of the Federal Bank Officers' Association (FBOA), the sole representative body of the entire officers of the Federal Bank. Federal Institute of Science And Technology (FISAT) has a unique position in the professional education sector in south India. With the motto "Focus on Excellence", FISAT has been designed and developed to become a "Centre of Excellence" in professional education. FISAT has embarked on an ambitious plan to enhance the quality and value of education and develop high-quality individuals. The institution is accredited by NAAC with 'A' Grade. The institution also received the coveted ISO 9001: 2015 certification.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering was started in 2002. The department offers B.Tech in Electrical and Electronics Engineering and M.Tech in Power Electronics and Power Systems. The department is backed by a team of motivated, dedicated and experienced faculty. The highlight of the department is the best infrastructure in all the laboratories, well appreciated by many guests and accreditation teams. The department envisages moulding graduates to become experts in their chosen fields, by encouraging them to become members of professional societies and broaden their knowledge. The B.Tech degree program of the department is accredited by NBA.

VISION

To prepare the students to meet the demands of growing industries and to mould them into successful professionals, globally competent and morally upright, in the field of Electrical and Electronics Engineering, contributing to nation building and the progress of humanity.

MISSION

- To impart quality and value based education enabling the students to become solution providers for the growing challenges in the industry and society.
- To create awareness among the students, the impact of Electrical and Electronics Engineering in the global scenario and the challenges of electrical based industries and organizations.
- To enhance the competitiveness of the graduates for higher studies by promoting research and development in the field of electrical as well as interdisciplinary subjects.

INTERNATIONAL ADVISORY COMMITTEE

1. **Dr. Ned (Narendra) Mohan**, Regents Professor, National Academy of Engineering, Fellow: IEEE, Electrical & Computer Engineering, University of Minnesota, United States
2. **Dr. Chem Nayar**, Emeritus Professor at Curtin University and Founder/CEO Regen Power Pvt.Ltd., Australia.
3. **Dr. Yuanrui Sang**, Assistant Professor, Electrical and Computer Engineering, College of Engineering, The University of Texas at El Paso
4. **Dr. Pavol Bauer**, Full professor DC Systems, Energy Conversion & Storage, Faculty of Electrical Eng, Maths, and Comp. Science, Delft University of Technology, Mekelweg 4, 2628 CD Delft, the Netherlands
5. **Dr. Sreenath Chalil Madathil**, Assistant Professor, Industrial, Manufacturing & Systems Engineering (IMSE), Engineering Building A-243, The University of Texas at El Paso
6. **Dr. Nitin Padmanabhan**, Postdoctoral Fellow at University of Waterloo, Kitchener, Ontario, Canada
7. **Mr. Sreejakumar Nair**, Head: Power Electronics, Mahindra Electric, Bengaluru, Karnataka, India
8. **Mr. Tijo Thomas**, Chief Technology Officer at Entuple E-Mobility Private Limited, Bengaluru, Karnataka, India
9. **Dr. Rajeevan P. P.**, Associate Professor, Department of Avionics, Indian Institute of Space Science and Technology, Trivandrum, India
10. **Dr. K.S.M. Panicker**, Professor (Rtd), Federal Institute of Science and Technology
11. **Dr. Pailo Paul**, Professor (Rtd), Federal Institute of Science and Technology

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2. Dr. George Issac, Principal, FISAT
3. Dr. C. Sheela, Vice Principal cum Director Academics, FISAT
4. Dr. Sunny Kuriakose, Dean (Academics and Administration), FISAT

ORGANIZING COMMITTEE

1. Dr. Parvathy R. (General Chair), Professor and Head of the Department, Dept. of EEE, FISAT
2. Ms. Surya Natarajan (Convenor), Assistant Professor, Dept. of EEE, FISAT
3. Ms. Rabiya Rasheed (Convenor), Assistant Professor, Dept. of EEE, FISAT
4. Mr. Stany E. George (Treasurer), Assistant Professor, Dept. of EEE, FISAT
5. Mr. Muhamed Noufal C. (Technical Coordinator), Assistant Professor, Dept. of EEE, FISAT

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