



Workshop on Recent Developments in Wind Energy Technology November 22-24, 2024

Organized by: Department of Electrical Engineering, National Institute of Technology Silchar

Sponsored by:



Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education, Govt. of India

Recent Developments in Wind Energy Technology

November 22-24, 2024

ABOUT THE WORKSHOP

In wind energy applications, induction generators are commonly used. However, modern large-scale turbine units increasingly employ permanent magnet synchronous generators. Due to the intermittent and stochastic nature of wind power, there are significant challenges in the modeling, control, and grid integration of wind turbine units. The goal of this workshop is to provide the audience with the latest advancements in wind turbines, power converters, control techniques for maximum power extraction, electrical generators, and grid integration.

RESOURCE PERSONS

Speakers from the University of New South Wales (UNSW) and IITs will be handling the session.

COORDINATORS

Dr. Rukmi Dutta

(Associate Professor)

School of Electrical Engineering and Telecommunications,
University of New South Wales (UNSW) Sydney, Australia



Dr. Lalit Chandra Saikia

(Professor)

Department of Electrical Engineering
National Institute of Technology Silchar, Assam



Dr. Dulal Chandra Das

(Associate Professor)

Department of Electrical Engineering
National Institute of Technology Silchar, Assam



ABOUT SPARC

Scheme for Promotion of Academic and Research Collaboration (SPARC) aims at improving the research ecosystem of India's Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best institutions in the world from 28 selected nations to jointly solve problems of national and/or international relevance.

ABOUT EE DEPARTMENT, NIT SILCHAR

The Department of Electrical Engineering, NIT Silchar offers B.Tech in Electrical Engineering and M.Tech in two specializations: (i) Power and Energy Systems Engineering and (ii) Control and Industrial Automation. It also offers well integrated Ph.D. programme in the frontire areas of Electrical Engineering. The department has state-of-the-art lab facilities, including the Machine Lab, Power Systems Lab, Advanced Control Lab, Microprocessor & Embedded Systems Lab, and Computational Lab. It regularly organizes seminars, workshops, and conferences at national and international levels. The faculty members specialize in diverse fields, fostering a strong research environment.

ORGANIZER

Chief Patron:

Prof. Dilip Kumar Baidya
Director, NIT Silchar

Patrons:

Prof. N. B. Dev Choudhury
Dean (R&C), NIT Silchar

Dr. Tanmoy Malakar
HOD, EE Department

Organizing Committee Members:

All faculty members of the Electrical Engineering
Department

WORKSHOP VENUE

Seminar Hall

Department of Electrical Engineering
National Institute of Technology Silchar, Assam

TARGET AUDIENCE

Faculty members, Research Scholars, PG and UG Students, Persons from Industries, and Research Institutes (Applicable for all disciplines of Engineering and Basic Science). The entry is restricted to 60 participants and it will be on a first come first serve basis. Shortlisted participants of the workshop will be intimated via email.

REGISTRATION

Registration fee: NIL

Mode of Workshop: Hybrid

Last date of registration: 15/11/2024

Registration Link:

<https://forms.gle/imfRsCbRxiNIU1SLq9>



CONTACT

Dr. Lalit Chandra Saikia

Email: lcsaikia@ee.nits.ac.in

Mob: 9435173835

Dr. Dulal Chandra Das

Email: dulal@ee.nits.ac.in

Mob: 9435172774

“Upon successful completion, participants will
be awarded certificates”