

A Two-day workshop on CONTROL OF WIND ENERGY CONVERSION SYSTEMS

Organized by
Department of Electrical Engineering

Indian Institute of Technology (Banaras
Hindu University) Varanasi
Varanasi 221005



23-24 February, 2023

Coordinators:
Dr. S. Ghosh
Dr. S. K. Singh
Dr. Shyam Kamal
Dr. N. K. S. Naidu

ABOUT THE DEPARTMENT

Mahamana Pandit Madan Mohan Malviya founded BHU in the year 1916. The three of the erstwhile engineering colleges of BHU, namely Benco, Minmet and Techno, were merged to form the Institute of Technology (IT-BHU) in 1968. IT-BHU became IIT (BHU) in June 29, 2012 by an Act of Parliament. At present, Department of Electrical Engineering runs five post graduate (M. Tech.) programmes in Electrical Machines and Drives (started in 1956), Power Systems (started in 1964), Control Systems (started in 1964), Power Electronics (started in 1982) and Systems Engineering (started in, 1982) and Ph. D. programme in all disciplines of Electrical Engineering. Apart from these, the department regularly receives research projects funds from DST, SERB, MeitY, and other R&D organizations.

WORKSHOP COVERAGE

With increasing penetration of renewable energies, the wind energy systems are envisaged to have wide penetration in modern power grids. With modern tools and techniques, analysis and design of such systems has become complex yet sophisticated. The workshop aims to cover the following.

1. Perspectives of wind energy systems on modern power grid
2. Constructions and design of specialized machines for wind energy systems
3. Modelling and controller design of wind energy conversion systems (DFIG, PMSG and multi-phase machines).
4. Exposure to experimental facilities available.

Resource persons: Prof. R. K. Pandey, Dr. S. K. Singh, Dr. S. Ghosh, Dr. N. K. S. Naidu, Dr. A. Maulik and Dr. Chinmaya K. A.

WHO CAN PARTICIPATE

This workshop is intended for faculties from University/College/Research Institutions who are interested in advanced design and control of wind-energy systems.

REGISTRATION

Registration fee: Nil (Number of seats is limited to 25)

TA/DA/Accommodation: Not available (participant has to arrange on their own)

For registration, fill the google form at the below link or scan the QR code:



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CONTACT

Dr. S. Ghosh
Dept. of Electrical Engineering
Indian Institute of Technology (BHU), Varanasi
Email ID: sghosh.eee@iitbhu.ac.in