



WORKSHOP ON GRID FORMING TECHNOLOGIES FOR POWER GRIDS



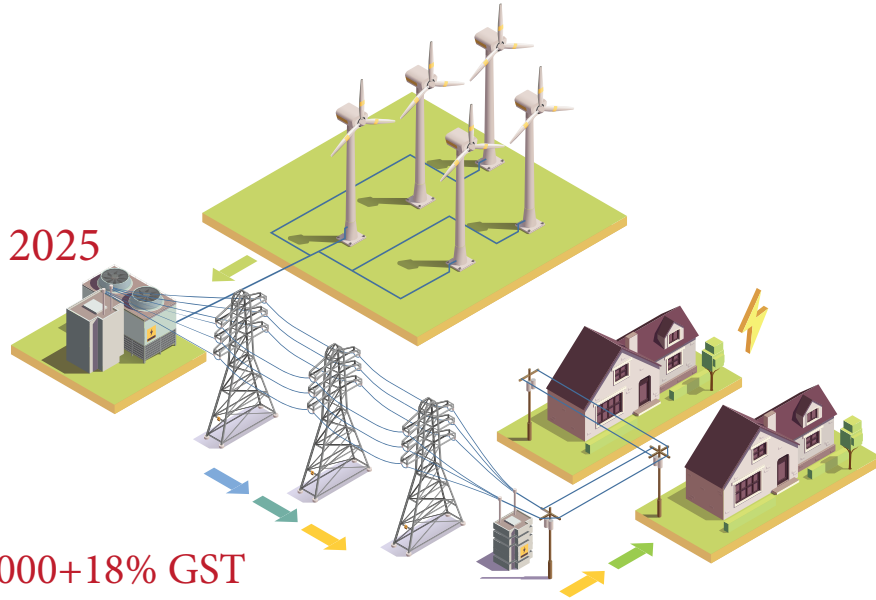
COURSE CO-ORDINATOR: **PROF SARASIJ DAS, IISC**

Course Schedule

25th to 27th June 2025

Registration Deadline: 31 May 2025

Course Mode: Offline



Registration Fee:

Student/Project Assistants: INR 5000+18% GST

Post-Docs: INR 5000+18% GST

Faculty of College/University: INR 10000+18% GST

Industry: INR 15000+18% GST

Registration Link: <https://iisc.online/shortterm/home.html>

Registration

This course can be attended only by registration. Limited accommodations (non-AC) available at a hotel with 1300 INR Including GST/night rate near IISc on the first come first serve basis against payment by the attendees.

Venue:

Department of Electrical Engineering
Indian Institute of Science (IISc) Bangalore

Who will benefit from the course?

This workshop is intended for students, researchers, faculty from academic and technical institutions, staffs from private and government industries and institutions who are interested in learning about upcoming Grid Forming Technologies. There will be a panel session on the Grid Forming Technologies. Hands-on sessions (total 6 hours) will be provided on the Matlab Simulations of Grid-Forming Inverters.



Featured Speakers:

Prof. Sukumar Kamalasan

Duke Energy Distinguished Professor of
Electric Power Engineering,
University of North Carolina at Charlotte (UNCC)



Prof Sairaj Dhople

Oscar A. Schott Professor of
Department of Electrical and Computer Engineering,
University of Minnesota Twin Cities, USA

List of Topics Covered:

Need for Grid Forming Technologies in Power Grids; Basic Principles of Grid Forming Inverters; Droop Controlled Grid Forming Inverters; Virtual Impedance-based Grid Forming Inverters; Virtual Synchronous Generators; Unified Grid Following and Grid Forming Architecture; Stability of Grid Forming Inverters; Grid codes and regulations for Grid Forming Inverters; Hands-on Sessions on Modelling Grid Forming Inverters using MATLAB; Panel Sessions on Grid Forming Technologies for Power Grids; Transition Control of Dual-mode Inverters in Microgrids; Energy Storage with Grid Forming Inverters

List of Speakers:

Prof Sukumar Kamalasan, University of North Carolina at Charlotte, USA

Prof Sairaj Dhople, University of Minnesota Twin Cities, USA

Prof Animesh Sahoo, Indian Institute of Technology Dharwad

Prof Vinod John, IISc

Prof Kaushik Basu, IISc

Prof Sarasij Das, IISc

Contact Us

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