Issues to be addressed

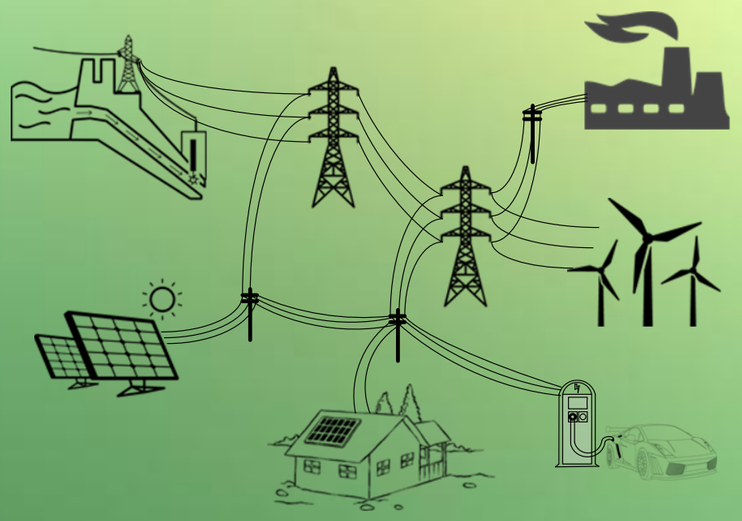
- Brief details about renewable energy sources
- Issues & control of grid integrated solar PV system
- Distributed solar PV Integration in LT- Grid
- Modelling and stability analysis of the RE systems
- Issues & control of grid integrated wind energy system
- Issues & control of grid integrated micro grid
- Global/Indian regulatory and policy environment

Important Dates

Last date of receipt of applications:
25th August, 2017

Last date of receipt of applications with late fee of Rs.1000/- : 1st Sept, 2017*

* The seats are limited. Request you to register at the earliest to confirm your place.



Eligibility

The course is open to faculty members & research scholars of engineering colleges and practising engineers from the industry.The registration fee is charged as below:

- Rs. 4000 +18% GST for participants sponsored by Academic and R& D Organizations
- Rs.10000 +18% GST for participants from Industry
- The registration fees can be paid via DD in favour of "**IITD CEP Account** payable at New Delhi" or through online transfer at -

Name of A/c. Holder - IITD CEP Account
Bank A/c. No. - 36819334799
Address - State Bank Of India,
IIT Delhi, Hauz Khas, New Delhi - 16,
IFSC Code - SBIN0001077,
A/c. Type - Saving

Boarding and Lodging

Boarding and lodging for the participants will not be arranged by IIT Delhi. However we can assist you in getting accommodation in nearby hotels/guest houses.

Address for sending completed application form:

Dr. Sukumar Mishra
Department of Electrical Engineering,
Indian Institute of Technology (IIT) Delhi,
New Delhi– 110016, India.
Mobile: 09810429715
Fax: 01126581606
Email: workshop[dot]scres@gmail.com

INTERNATIONAL WORKSHOP

on

Stability and Control of Renewable Energy based Systems

Date: **2nd – 3rd September, 2017**

Venue: **IIT Delhi**

Course Coordinator:
Prof. Sukumar Mishra

Organized By:

IIT Delhi, Hauz Khas,
New Delhi-110016, INDIA

Introduction

Renewable generation from wind and solar has increased substantially during past few years and forms a significance proportion of the total generation in the grid. Integration of these renewable energy sources into the utility grid can be at either the transmission level or the distribution level, depending on the scale of generation. Large renewable energy generation such as wind farms are directly interconnected to the transmission system. Small scale distributed generation is generally interconnected to the medium or low voltage distribution systems. Both types of interconnections present different challenges that must be carefully analysed before systems are designed. Electricity generation using renewable energy sources is often taking place in small scale due to disperse nature of the resources. Good examples are small hydro, solar photovoltaics, biogas, biomass and small wind turbine based electricity generation systems.

Most electric distribution system are designed, operated and protected on the premise of there being a single voltage source on each distribution feeder. Interconnection of small scale renewable generation to the distribution grid violates their fundamental assumptions. Therefore, certain special requirements need to be satisfied when interconnecting distributed generation to the grid in order to ensure safe and reliable operation. This workshop discusses the concepts, benefits and challenges of grid integration of different types of renewable energy systems.

Venue

The department of electrical engineering, IIT Delhi has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 1961. The department runs two under graduate programmes and six post-graduate programmes to cater to the ever challenging needs of technical excellence in many areas of electrical engineering.

In addition to the strong undergraduate programs, the department has been playing a pioneering role in producing world class postgraduates and research scholars. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate.

The department has distinguished faculties, there are two Fellows of IEEE in the department and many other faculty members are Fellows of several national and international scientific bodies.

Faculty

Faculty members will be:

Dr. Vijay Vittal, *Prof (Arizona State University)*
Dr. Sukumar Mishra, *Prof.*
Dr. Bhim Singh, *Prof.*
Dr. Nilanjan Senroy, *Assoc. Prof.*
Dr. B.K.Panigrahi, *Prof.*
Dr. A.R.Abhyankar, *Assoc. Prof.*
Dr. P.R.Bijwe, *Prof.*

Two day workshop
On
Stability and Control of Renewable Energy based Systems

1. Name (in block letters):
2. Designation:
3. Basic pay:
4. Organization:
5. Address for communication:

Pin: Ph. No's:

Fax no: E-mail:

6. Highest Academic Qualification

7. Experience (in years):

(a) Teaching: (b): Industrial:

DD/Online Payment
No :- amount:-

Kindly register me for the workshop on **"Stability and Control of Renewable Energy based Systems"** to be held at IIT Delhi.

Place:

Date: Signature of the applicant