

RESOURCE PERSONS

Venkatesan. S

Technical Head -Solar Edge India, Bangalore.

Venkata Mukundarajan

Strategic Account Manager - Enphase Energy, Bangalore.

S. Santhosh Kumar

Business Leader - Lapp India Pvt. Ltd., Bangalore.

Manoj Sundaram

Senior Technical Manager - Outback Power, Bangalore.

Suresh Oliver

Director - Solar For Schools, Chennai.

Shaji

Senior Manger - DEHN INDIA Pvt. Ltd., Bangalore.

Amruth Putappa

Founder & CEO - Things Cloud, Bangalore.

Obulesu Nanganuru

Consultant - DataGlen, Bangalore.

Dr. L. Ashok Kumar

Prof. & Associate HoD - Dept. of EEE, PSG Tech.

Raguram. A

Director Operations - Cares Renewables, Coimbatore.

Siva Harsh S

Director Strategy - Cares Renewables, Bangalore.

Rajkiran. N

Director Marketing - Cares Renewables. Chennai.

Vivek. K

Former Sr. Research Associate, NCPRE - IIT Bombay.

COURSE CONTENT

DAY -1

- ➔ Solar Modules and Grid-Tied Inverter Technology, Key Performance Indicators, Familiarization of Data Sheet
- ➔ PV Cables and AC cables -Factors to be considered for selection & usage
- ➔ Grid-Tied System -Different Architectures and Familiarization of Data Sheet
- ➔ String Inverters and Monitoring
- ➔ Solar Site Survey & Structure -Key Considerations

DAY -2

- ➔ Introduction to Microinverter & Power Optimizer Technology

- ➔ Design of Grid - Tied PV System with Sample Problem
- ➔ Introduction to Tools for Design and Installation Practices
- ➔ PPA Model for Rooftop Solar Power Plant
- ➔ Hybrid Inverters - Introduction
- ➔ Solar O&M - Considerations

Chairman

Dr. R. Rudramoorthy

Principal

Convenor

Dr. M. C. Bhuvaneshwari

Associate Professor & HoD, Dept. of EEE

Organising Secretary

Dr. L. Ashok Kumar

Professor & Associate HoD, Dept. of EEE

Co-ordinators

Mr. A. Sampath Raja

Assistant Professor, Dept. of EEE

Registration

Registration for the Workshop can be made by sending the duly filled application form along with Demand Draft drawn in favor of "PSG CNCE" payable at Coimbatore, so as to reach us on or before 15th November 2018.

ACCOMMODATION

For outstation participants accommodation shall be arranged on prior request at nominal cost.

COURSE FEES (Inclusive of Service Tax)

UG / PG Students : ₹ 1,500

Research Scholars / Faculty : ₹ 2,000

Industry Participants : ₹ 3,000

ELIGIBILITY

Faculty Members, Research Scholars, Industry Members, UG / PG Students interested in Solar PV field.

The duly filled application forms along with DD should be sent to:

Dr. L. ASHOK KUMAR

Professor & Associate HoD, Department of EEE

PSG COLLEGE OF TECHNOLOGY

Peelamedu, Coimbatore - 641004

Contact No : 98432 81115, 99409 00210

E-mail : lak.eee@psgtech.ac.in



PSG - CARES

**CENTRE FOR INDUSTRIAL CYBER PHYSICAL
SYSTEM RESEARCH**

Two Days National Workshop on

Grid - Tied SOLAR PLANT DESIGN & ADVANCES

19 - 20 November 2018



Organised by

**Dept. of Electrical & Electronics Engineering
PSG College of Technology**

&

**Cares Renewables Private Limited
Coimbatore**

ABOUT THE INSTITUTION

PSG College of Technology, started in the year 1951, is an autonomous college for the past 33 years, offering 22 undergraduate programmes and 37 postgraduate programmes. It also offers research programmes leading to MS/Ph.D. degrees in all departments. Currently more than 520 research scholars, both full time and part time, are working for their Ph.D. degree. PSG College of Technology, an AICTE approved institution is affiliated to Anna University, and is ISO 9001 certified. PSG College of Technology believes in creating and disseminating knowledge and skills in core and frontier disciplines through innovative educational programmes, industrial training, research & consultancy.



ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 1951. The department offers UG (Regular and Sandwich) programmes, PG programmes (Applied Electronics, Power Electronics & Drives, and Embedded & Real Time Systems), and PhD programmes. The students acquire interpersonal and communication skills and promote their professional skills through department associations. The department has Centres of Excellence namely, State of the art computational and experimental facilities enable the department to undertake basic and applied research and provide support to R&D organizations.

ABOUT CARES RENEWABLES

Cares Renewables have done project development and consulting for more than 100 MW of solar projects and have four research labs across India for applied research in Solar PV. We have trained more than 7000 professionals in Solar Sector. We along with our Service Partners have executed more than 2,500 kW of SaveGen series advanced Solar Power Plants in rooftops across India.

ABOUT THE CENTRE

Cares established the lab in association with PSG College of Technology to disseminate knowledge on advances in Cleantech, and to create an ecosystem for applied research and innovation in the sector. The Key research objective of the lab is to encourage ideas which can, enhance lifetime power production of solar PV systems as measured in kWh per kWp, improve system reliability, and lower the cost of power production.

ABOUT THE WORKSHOP

Workshop is focused on Grid-Tied System Design, and Advances. The Speakers in the conference will have representatives from senior management of companies who are leaders in their respective fields.

- Key Performance Indicators of Solar Modules
- Grid-Tied Inverters -Key Performance Indicators and Advances
- Familiarization of data sheet of Solar Panels and Inverters
- Different Architectures of Grid-Tied Inverter
- Design of Grid-Tied Solar Power Plant
- Importance of Cables in Solar PV
- Demo of Different Types of Solar Modules, Grid-Tied Inverters, Structure, Cable and BoS

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REGISTRATION FORM

Name (in Block Letters) :

Designation :

Department :

Name of the Institution :

Address :

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E-mail :

Mobile :

Accommodation Required : Yes / No

Details of Registration

Amount :

DD No. & Date :

Bank :

Signature of the Participant :

Prof./Dr./Mr./Ms.

is permitted to attend the above said programme

Place :

Date :

Approving Authority
(Signature and Seal)