

2 Days Workshop
On
“Advanced Solar Photovoltaics”
ASP’16
May 30-31, 2016

Organized By
Department of Electrical Engineering
Jodhpur Institute of Engineering & Technology
Jodhpur

Objective

This workshop exposes the participating researchers, academicians, industrialists, students and enthusiasts to the latest methods of generation and utilization of electric power using Solar Photovoltaic technology. The workshop also provides an opportunity to share and enhance the knowledge in the field of Solar Photovoltaics with eminent resource persons. The national and global scenario in this field and possible new fields will be shared with the participants by the eminent resource persons.

The workshop will emphasize on the following areas:

- a) **Investigation of the effects of longitude, latitude** and earth rotation on annual energy received from the Sun and to determine the optimum tilt angle for the solar panels. **Computation of optimum tilt angle** of panels at Jodhpur.
- b) **Current state-of-art** and future developments in construction and fabrication of solar panels.
- c) **Organic, flexible and colored solar cells** for building integration. Design of a typical building for solar cell integration.
- d) **Performance characteristics, modeling** and parameter determination of solar photovoltaic array under uniform insolation and partial shadow conditions.

- e) Implementation of **maximum power point tracking techniques** (MPPT)
- f) Design and simulation of **DC-DC converters** and tracking the maximum power point.
- g) Design and simulation of **DC-AC converters** and AC drives.
- h) **Grid integration issues** and national and international standards for grid connected solar photovoltaic plant.
- i) **Economics of solar energy**, government policies and aids.
- j) To identify **areas** that requires **attention in future**.
- k) **Demonstration and simulation** of characteristics of solar panel.

List of Speakers: Consent has been received for the deliberations in workshop from the followings:

1. Academicians from IIT,Jodhpur and M.B.M. Engineering college, Jodhpur.
2. Practicing Engineers from Major players in the field of Solar PV like Mahindra Susten Pvt. Ltd.
3. Speakers from Govt. organization like RREC, DISCOM and CAZRI.

Important Dates

Last Date of Registration : 20th May, 2016

Date of Workshop : 30th – 31st May, 2016

Registration Charges / Fee

Delegate	Fee
Delegates from Industry	Rs. 750
Delegates from Academia	Rs. 600
Research Scholar/PG Students	Rs. 500

Venue

Conference Hall

Jodhpur Institute of Engineering and Technology,

JIET Universe, N.H.65, Pali Road, Mogra, Jodhpur.

Sponsorship

Govt. & Semi-Govt. organizations, R&D institutions & Industries, are being approached to sponsor various activities of the workshop.

Workshop Chairman : Prof. (Dr.) Rajendra karwa

Academic Chair : Prof. (Dr.) B. L. Mathur

Workshop Host : Prof. (Dr.) Rakesh Kothari

Organizing Committee:-

Convener: -

1. Prof. Kusum Agarwal
2. Prof. Harish Kumar Khyani

Co-Convener: -

1. Prof. Navneet Maru