

Chief Coordinator

Dr. R. K Swain, H.O.D, EEE, Silicon Institute of Technology

Coordinators

Prof. R.P.Panda, SIT, Bhubaneswar

Prof S.Behera,SIT,Bhubaneswar

Organizing Committee

All faculty & staff members of EEE Department

Expert Speakers from

PRDC, Bangalore

CPRI, Bangalore

TERI, Chennai,

IITs, OERC

The Detailed schedule along with the name of the speakers will be notified in the institute website later.

Contact Address

Prof. A.K.Tripathy

Convener, NWET 2015

Dept. of E&EE, Silicon Institute of Technology,

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Registration Form

National Workshop

On

Emerging Technologies in Electrical Power Engineering

(19th – 21st February 2015)

(NWET-2015)

Name:

Sex:

Category: (Tick any one)

Student Faculty Industrial Candidate

Institute Name:

Address for Correspondence:

Phone:

Mobile:

E-mail:

Cash/Draft No:

Amount:

Date:

Educational Qualification:

Highest Degree:

Obtained from:

Subject/Specialization:

Grade/Division:

University:

Accommodation

Required

YES / NO

If Yes, Where

Hostel / Guest House

Forwarding remark of the Head of the Department / Institution:

Signature (With Seal)

Silicon

...beyond teaching

NATIONAL WORKSHOP

ON

**EMERGING TECHNOLOGIES IN ELECTRICAL
POWER ENGINEERING (NWET-2015)**

With focus on

**Grid Integrated Renewable Energy Systems:
Design Consideration & Challenges**

19th – 21st February, 2015



Organized by

Department of

Electrical & Electronics Engineering

Silicon Institute of Technology

Silicon Hills, Patia, Bhubaneswar,

Orissa, 751024

Workshop Objectives

NWET is a forum for the industry & academia to discuss & share the knowledge on emerging technologies & practices. NWET-2009 and NWET-2010 were conducted with focus on HVDC, FACTS and Advances in grid management and power trading respectively. NWET-2011 was focused on Energy conservation. NWET-2012 discussed on Modern power distribution. NWET- 2013 focused on Modern grid management and NWET-2014 on Recent trends on power system protection. NWET-2015 will be held at Silicon Institute of Technology, Bhubaneswar from 19th February to 23rd February 2015 and will be focusing on issues related to Renewable energy system design consideration and challenges.

Of late there has been phenomenal growth in solar and wind power generation not only in India but globally. There has been an increased interest in research, product development and establishment of manufacturing and testing facilities. The cost of renewable energy particularly the solar energy has recorded a sharp fall and is now comparable with cost of conventional generation. The world attention has gone in favor of distributed energy generation because of lower capital investment and better flexibility. The attractive feature of renewable energy is that it is green and non- polluting. However two areas of concern are intermittency of generation & difficulty faced in seamless integration with the grid. Technology development over recent years has been able to largely address these issues.

The objective of the workshop is to bring to focus areas of technology development that aim to take renewable energy into the main stream. Policy preferences in favor of renewable energy that would accelerate this process shall also be discussed. The workshop would be largely addressed by researchers and professionals in the field and shall be tailor made for utilities, industries, students and users of electricity.

Topics

- ❖ State of art ,Grid connected Renewable Energy systems”
- ❖ Recent Developments PV Power Plant Design
- ❖ Recent Developments Wind Power Plant Design
- ❖ Economics of Small Hydro plant, Case studies
- ❖ Grid connectivity issues with renewable generation
- ❖ Government Initiatives and promotions of New and Renewable Energy Resource
- ❖ V2 G and G2V power storage and Battery management Systems
- ❖ Plug and Play Power Electronics Building Blocks
- ❖ Clean Development Mechanisms and Carbon Credits
- ❖ Energy from Waste and Biomass
- ❖ Progress and Prospects for Renewable Energy Growth in Orissa
- ❖ Control and Automation in Renewable energy System

Technical Programme of each day comprises of

- Keynote speech
- Invited Lectures
- PV Plant Technical Tour
- Panel Discussion

Venue

Silicon Institute of Technology, Patia, Bhubaneswar-751024

Silicon Institute of Technology (SIT) was established in the year 2000 in the temple city of Orissa, Bhubaneswar with a view to provide value-based quality education. Today, the Institute is recognized as one of the centers of academic excellence with vibrant research culture in the state and outside. The campus is about 13 kms away from the Railway Station and 16 kms away from Biju Patnaik Airport, Bhubaneswar.

Registration Fees

Faculty / Research scholars	: Rs.500/-
Industry Professionals	: Rs.1000/-
Students	: Rs. 300/-

Sponsorship

Gold sponsorship Rs. 15,000/- (ten participants)
Silver sponsorship Rs. 10,000/- (five participants)

Advertisement in Souvenir

Colored Page – Rs. 3,000/-
Black & White – Rs. 2,000/-

Registration Information

Participants can register by sending the registration form along with demand draft (appropriate amount) in favour of “Convener (NWET)” payable at Bhubaneswar, on or before 15th February 2015. For on line registration visit <http://www.silicon.ac.in> .

Accommodation

Limited Accommodation is available at Institute Guest house at concessional rate on first - come - first serve basis.

Chief Patron

Joe Mediath

Chairman, Board of Governors,
Silicon Institute of Technology, Bhubaneswar

Convener

Prof. A.K. Tripathy

FNAE, SIT, Bhubaneswar

(Ex. Director General of CPRI, Bangalore)

Advisory Committee

Prof. P.K.Dash, Director, M.D.R.C, SOA University

Sri S K Tripathy, GEDCOL, Odisha

Dr R Ngaraja, PRDCL, Bengaluru

Dr P C Pant, Director, M.N.R.E, Govt. of India

Prof. R.K.Pattnaik, Director, SIT, Bhubaneswar

Sri N.Murugesan, DG-CPRI

Sri S R Mohanty, Add. Chief Secretary, Govt. of M.P.

Sri B.K.Mishra, Chairman, CESU, Odisha

Prof. P.K. Satpathy, CET, Bhubaneswar, Odisha

Sri A K Singh, Chairman, GRIDCO, Odisha

Er. A.P.Panda, OPTCL, Odisha