

Prof. P.K. Satpathy, Registrar, BPUT, Orissa
Sri B K Jena, Chairman, CESU
Sri A K Singh, Chairman, GRIDCO
Er. A.P.Panda, OPTCL

Chief Coordinator

Prof. S. K Balita, SIT, Bhubaneswar

Organising Committee

**All faculty & staff members of EEE
Department**

Expert Speakers from

**PRDC, Bangalore
CPRI, Bangalore
CESU, Bhubaneswar
IITs, OERC**

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

Contact Address

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For any other Enquiry

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Registration Form

National Workshop

On

**Emerging Technologies in Electrical Power
Engineering (1st – 3rd February 2013)**

(NWET-2013)

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)



National Workshop

on

**Emerging Technologies in
Electrical Power Engineering**

(NWET-2013)

With focus on

**“MODERN GRID MANAGEMENT:
Issues in Transmission, Distribution &
Industrial Systems”**

1st - 3rd February, 2013



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 will be held at Silicon Institute of Technology, Bhubaneswar from 1st February to 3rd February 2013 and will be focusing on issues related to modern grid management.

The Power Network in India has evolved over last three decades to be one of the largest in the world. The Indian grid is spread over a large area with generation in clusters and load centers distantly located. In spite of safe guards taken, the grid had a major black out recently, indicating that technical and managerial attention are required urgently to improve reliability. With an ambitious addition of conventional and renewable energy sources, particularly the UMPPs, Solar and Wind, the grid connectivity issues and commercial issues are going to be very challenging. The grid in Odisha is going to expand with installation of Ultra mega power projects and with addition of a number of CPPs and IPPs. The vulnerability of the grid is going to be a subject of concern. A strong grid with good management on the other hand could be an asset and generate revenue through trading of power.

It is with this in view that Silicon is organizing its 5th NWET (2013) workshop on February 1st to 3rd with experts in the field from several organizations invited to address the participants and share some of the problems & solutions..

Topics

- ❖ Causes and remedy for black out in large grids...
- ❖ System state estimation- and smart grid solutions
- ❖ Transmission super grid for India with 765 kV and above

- ❖ Power trading under deficit generation
- ❖ Grid connectivity issues with renewable generation
- ❖ CPP operation with grid , case study
- ❖ Evacuation of small hydro power to a weak grid: a case study
- ❖ Franchisee: a management tool to address AT&C losses in Distribution
- ❖ Role of system studies in planning a large grid.
- ❖ Grid monitoring through on line web based power flow computing
- ❖ Power Electronics application in Power System: The road map
- ❖ DC grids , a possibility for future
- ❖ Automation in Distribution system
- ❖ State of art in Protection Technology

Technical Programme of each day comprises of

- Keynote speech
- Invited Lectures
- 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 and vibrant research culture in the state and outside. Over the years, Silicon Institute (SIT) has been recognized as one of the premier technological institutes both in academics and research in the state of Orissa & India. 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 brochure

Coloured 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. Students have to submit bonafide certificates from the Heads of their Institutions along with the registration forms on or before 25th January 2013. 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,
SIT, 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

Dr R Ngaraja, PRDCL, Bengaluru

Prof. K K Dash, Director (Academics) SIT, Bhubaneswar

Dr. Omkar Nath Mohanty, (Ex. Vice Chancellor of BPUT)

Sri N.Murugesan, DG-CPRI

Er. P.K. Routray, Ex-Director, NALCO

Sri B.K.Mishra Member, OERC