

National Workshop  
on  
Emerging Technologies  
in Electrical Power  
Engineering

**NWET - 2010**

With focus on  
*“Advances in Grid  
Management & Power Trading”*

**15<sup>th</sup> - 17<sup>th</sup> January 2010**

Organized by



Electrical & Electronics Engineering  
Department  
**Silicon Institute of Technology**  
Silicon Hills, Patia, Bhubaneswar,

## Orissa, 751024

### Workshop Objectives

NWET-2009 was conducted with focus on advanced technology like HVDC, FACT, power qualities etc. It is Proposed to conduct NWET-2010 with focus on advances in grid management and power trading. The national workshop on emerging technologies in electrical power engineering (NWET-2010) will be held during 15th -17th January 2010 at Silicon Institute of Technology (SIT), Bhubaneswar, Orissa. The main objective of this workshop is to acquaint the participants with the emerging techniques in the field of efficient grid management, transmission tariff, regulatory control, reforms and power trading. This would encourage activities in these areas both in academic and industries and will provide sufficient information to initiate research. The workshop shall also cover the state of art and application of the topics listed below.

### Topics

- Management of large grids: the issues and challenges
- Enhanced role of the state load dispatch center under deregulated regime
- Open access in transmission & its pricing
- Power exchanges and trading practices: present and future.
- Intelligent grid management through phasor measuring units.
- Power scenario in Orissa: Generation, transmission, and rural electrification.
- Technology for improving power quality of transmission and distribution system
- Demand side management as a means of reducing system loss
- Distribution system automation and control - a case study
- Energy conservation: a mandatory step towards energy security
- Distributed generation.
- Renewable energy sources projects and possibilities.
- Role of captive power plants in power supply management and concept of private public participation in generation.

### Technical Programme of each day comprises of

- Invited Lectures
- Panel Discussion

### Venue



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.1000/-
Industry Professionals	:	Rs.2000/-
Students	:	Rs. 500/-

*\*Students have to submit bonafide certificates from the Heads of their Institutions along with the registration forms.*

### Registration Information

Participants can register by sending the registration form along with demand draft (appropriate amount) in favor of Convener (NWET-2010) payable at Bhubaneswar. Students have to submit bonafide certificates from the Heads of their Institutions along with the registration forms on or before **7th Jan, 2010**.

### Accommodation

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

### Chief Patron

**Prof. P.K.Dash**

FNAE, Director Research & PG studies,  
SIT, Bhubaneswar

### Convener

**Prof. A.K. Tripathy**

FNAE, SIT, Bhubaneswar  
(Ex. Director General of CPRI, Bangalore)

### Advisory Committee

**Prof. A.K. Tripathy**

FNAE, SIT, Bhubaneswar

**Prof. S.K. Mishra**

SIT, Bhubaneswar

**Er. A.P. Panda**

AGM, OPTCL

**Er. P.K. Routray**

Ex-Director, NALCO

**Prof. P.K. Satpathy**

CET, Bhubaneswar

### Chief Coordinators

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SIT, Bhubaneswar

**Prof. L.N.Pathy**

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**Prof. S.K.Balita**

SIT, Bhubaneswar

Organising Committee

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**Prof. R.N.Mishra**

SIT, Bhubaneswar

**Prof. B.Panda**

SIT, Bhubaneswar

**Prof. Deepak Ranjan Nayak**

SIT, Bhubaneswar

**Prof. N.Guru**

SIT, Bhubaneswar

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Registration Form

Name of the Participant:  
In **BLOCK** letters

Designation:

Institute / Industry

Address for Correspondence

e-mail:

Contact No.:

**I would like to participate as**

Please tick the appropriate

Academic

Industry

Student

**Payment Details:**

DD No.:

Date:

Drawn on Bank:

Amount:

Place:

Full Signature of the participant

**N.B: Filled soft copy of the registration form can be sent to [nwet2010@silicon.ac.in](mailto:nwet2010@silicon.ac.in) The DD can be handed over at the registration desk.**

Expert Speakers from

- PGCIL
- IIT Mumbai
- IIT Kharagpur
- SIT, Bhubaneswar
- NIT, Rourkela
- SLDC, GRIDCO, NALCO, PRDC
- SERC

Contact Address

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