

## Introduction

Electricity provision around the world is undergoing a profound transformation driven by limited resources of fossil fuels unmatched with increasing demand in the developing countries and climate policies. Consistent efforts have been made in the last few decades to develop technologies towards generation of green energy using renewable energy sources such as wind, solar PV, fuel cells. Utilization and integration with existing power system infrastructure of the renewable one is a major challenge to today's professionals. This workshop focuses on a series of lectures covering recent advances in control of such renewable power systems.

## Coverage

Broad coverage of the workshop includes:

- Renewable Power Generations
- Photovoltaic and Wind Energy System Fundamentals
- Control Techniques for Renewable Energy Systems
- Power Electronics Techniques for Renewable Energy Systems
- Microgrid/Smart Grid
- Photovoltaic and Wind Energy Systems Modelling and Control
- Fuel cell Modelling and Control
- Control strategies for Hybrid Energy system

## Venue

The course will be organized at Department of Electrical Engineering, National Institute of Technology (NIT), Rourkela. It is one of the premier national level institutions for technical education in the country and is funded by the Government of India. It is situated at the eastern end of Rourkela steel city, beyond Sector-1 over an area of 262 hectares of land. NIT Rourkela has Nineteen academic departments which offer B.Tech, M.Tech and PhD programs in various areas of engineering and technology. The Institute has six Centers of Excellence to promote interdisciplinary research and industrial participation.

## Speakers

B. Subudhi, NIT Rourkela  
Bhim Singh, IIT Delhi  
P.Bajpai, IIT Kharagpur  
M. Kumar, IIT Delhi  
S. Mishra, IIT Delhi  
K.B. Mohanty, NIT Rourkela  
S. N. Suryavanshi, NIT Nagpur

## Co-ordinators

Bidyadhar Subudhi  
Kanungo B. Mohanty  
Asim K. Naskar

## Organizing Committee

Patron:

Ranjit Kumar Sahoo, Director, NIT Rourkela

Chairman: Jitendriya K. Satapathy, NIT Rourkela

Organizing Committee Members

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Anup K. Panda, HOD, NIT Rourkela

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Susmita Das, NIT Rourkela

Dipti Patra, NIT Rourkela

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Pravat K. Ray, NIT Rourkela

Supratim Gupta, NIT Rourkela

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Paresh G. Kale, NIT Rourkela

Ananyo Sengupta, NIT Rourkela

Asim K. Naskar, NIT Rourkela

Venkataramana Naik, NIT Rourkela

K.K.Mahapatra, NIT Rourkela

R.K.Sahoo, NIT Rourkela

A.Sahoo, NIT Rourkela

P.Mahanandia, NIT Rourkela

## Correspondence

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# Registration Form

Workshop on  
**CONTROL OF RENEWABLE POWER  
SYSTEM**  
28<sup>th</sup>-29<sup>th</sup> Sept, 2016

1. Name:

\_\_\_\_\_ (Capital Letters)

2. Designation:

\_\_\_\_\_

4. Department:

\_\_\_\_\_

6. TEQIP mapped Institute (Y/N):

7. Communication:

Phone \_\_\_\_\_

FAX \_\_\_\_\_

Email \_\_\_\_\_

8. Accommodation required (Y/N):

Date \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## Sponsorship Certificate

On the event of selection, Mr/Ms. \_\_\_\_\_ will be relieved for participation of the above programme.

SIGNATURE OF THE HEAD OF SPONSORING  
AUTHORITY  
(WITH DATE AND SEAL)

## Who should attend?

Academician, scholars and industry professionals in electrical power systems.

## Registration

Free.

## Boarding and Lodging

Accommodation for participants shall be arranged in the Institutes Guest House/Student Hostels as per availability. Local hospitality towards boarding and lodging will be borne by the organizers. However, no separate TA/DA will be provided. Participants have to arrange their own travels to NIT Rourkela.

## Selection of Participants

The number of seats is limited. Therefore, interested participants are encouraged to apply well within due date. Participation will be confirmed based on First-Come-First-Served basis with priority to TEQIP mapped Institutions.

## Important Dates

Scanned copy of filled-in application is to be sent to the Convenor by email. The original hard copy is to be submitted during the workshop.

Last date of receipt of application:

08/09/2016

Intimating confirmation:

12/09/2016

## Workshop

on  
**CONTROL OF RENEWABLE  
POWER SYSTEM**

28<sup>th</sup> -29<sup>th</sup> Sept, 2016

### *Convenors*

**Bidyadhar Subudhi  
Kanungo B. Mohanty  
Asim K. Naskar**



*Organized by*

***Centre of Excellence on  
Renewable Energy Systems***

**DEPT. OF ELECTRICAL  
ENGINEERING  
NATIONAL INSTITUTE OF  
TECHNOLOGY  
ROURKELA - 769008, ODISHA**