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WORKSHOP CONVENERS

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Prof. S. C. SRIVASTAVA

CONVENER

DR. P. SENSARMA
Department of Electrical Engineering,
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CONTACT DETAILS

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ENERGY CONCLAVE 2010 - EVENTS

8 JANUARY
New Paradigms for Energy Policy and Regulation

9 JANUARY
Civilian Nuclear Energy

10-12 JANUARY
Advances in Combustion and Transportation

13 JANUARY
Photovoltaic Science and Technology

14 JANUARY
Hydrogen & Energy Storage

15 JANUARY
Smart Energy Delivery Systems

Participants interested to register in more than one event of the conclave may visit its website for registration details including applicable fee.

CONCLAVE WEBSITE

Please visit workshop website for downloading brochure, registration form and updates
<http://www.iitk.ac.in/GJEC2010>

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Golden Jubilee
Aug 2009 - Dec 2010



ENERGY CONCLAVE 2010

DST-SERC Workshop on
Smart Energy Delivery Systems

Sponsored by

Department of Science & Technology Govt. of India

January 15, 2010



<http://www.iitk.ac.in/GJEC2010>

REGISTRATION FORM

ENERGY CONCLAVE 2010

DST-SERC Workshop on

Smart Energy Delivery Systems

January 15, 2010

Name: _____

Designation: _____

Organisation: _____

Gender (for accommodation): M F

Accommodation Required: Y N

Correspondence Address: _____

_____ PIN:

Phone: _____ Fax: _____

E-mail: _____

Qualification: _____ Experience (years): _____

DD/Cheque No.: _____ Dated: _____

Amount Rs.: _____ Drawn on: _____

[Pay by DD/multi-city cheque in favour of "Director, IIT Kanpur" payable at Kanpur. Please write your name and event name on the back side of DD/Cheque.]

Category :

Academic Institutions Students

Corporate / Regulatory Institutions / R&D Organisations

(Signature of Participant)

Note: Students should get the form countersigned from the head of the institution/Department

Please send this form along with DD to

Dr. Avinash Agarwal

Finance - Chair, Energy Conclave 2010, Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur (UP) - 208016

LEAD SPEAKERS

The speakers/panelists for the workshop include leading experts from utilities/industries and academicians from renowned institutions. These include

- Prof. **V. Ramanarayanan**, IISc Bangalore
- Prof. **A. K. Sinha**, IIT Kharagpur
- Prof. **Bhim Singh**, IIT Delhi
- Prof. **S. A. Soman**, IIT Bombay
- Prof. **A. M. Kulkarni**, IIT Bombay
- Shri **S. K. Soonee**, NLDC, New Delhi
- Shri **I. Saha**, Moserbaer India
- Prof. **S. C. Srivastava**, IIT Kanpur
- Prof. **P. Sensarma**, IIT Kanpur

SCHEDULE AND VENUE

Schedule : January 15, 2010

Venue : Outreach Auditorium, IIT Kanpur

For logistical details, please see conclave website.

REGISTRATION FEE STRUCTURE

CATEGORY	REGISTRATION FEE	AFTER 25 DEC.
Academic Institutions	Rs. 2000	Rs. 3000
Corporate/Regulatory Institutions/R & D Orgns.	Rs. 4000	Rs. 5000
Students	Rs. 500	Rs. 800
Students (Accepted Posters)	NIL	NIL

Registration details and form can also be accessed from

<http://www.iitk.ac.in/GJEC2010>

Sponsorship from DST for this workshop includes support for travel by AC 3-Tier and free participation in the workshop to a limited number of faculty participants (about 10) from academic institutes. Organizers will use a short-listing criteria to select such participants. Only selected participants will be informed by 15th December 2009.

STUDENTS' POSTER COMPETITION

Entries are invited from researchers, graduate and post-graduate students including research scholars for posters based on their research work. These should be related to the broad theme of the event. Guidelines for poster submission and prizes can be obtained from the conclave website at

<http://www.iitk.ac.in/GJEC2010>

INTRODUCTION

Delivery of electrical power is becoming an increasingly complex task for engineers and policy makers alike. The electricity systems are poised to change to accommodate increasing levels of distributed generation and storage. These complexities are being recognized internationally, the major Smart Grid initiative of the Department of Energy, USA, being a significant example. In the Indian context, the solution portfolio has to take into consideration the operation of local islanded grids along with the centralized utility network, with provisions for seamless integration as and when economic and social factors are favourable.

The main objective of this workshop, which is sponsored by the *Department of Science & Technology, Govt. of India*, is to identify specific problems which need immediate focus to handle the challenges of **Smart Energy Delivery Systems (SEDS)**. In this workshop, eminent speakers will be invited to address specific issues on the technological aspects of the system operation, control and intelligent grid concepts, especially with a significant share of distributed generation using renewable sources.

This workshop is one of the six major events organized under the Energy Conclave 2010, being held at IIT Kanpur during January 8-15, 2010, as part of its Golden Jubilee Celebrations.

SESSIONS/TOPICS

The workshop will focus on the following topics for deliberation.

- Systems Aspects of the SEDS
- Dynamical Capability of the SEDS
- Intelligent Power Extraction from Solar Photovoltaics
- Intelligent Power Processing from Wind Electric Systems

A panel discussion will help to identify emerging areas of research relevant to Smart Energy Delivery Systems.

WHO SHOULD ATTEND

Academicians, officers from public energy/power utilities, corporate entities in the energy/power sector including renewables, equipment manufacturers, consultants, research scholars as well as PG students.