



ऊर्जा विज्ञान एवं अभियंत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान मुंबई
पवई, मुंबई ४०००७६, भारत

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IIT Bombay

Date: 22th April, 2016

Dear Sir,

Sub: Invitation – Workshop on DSM – 7th & 8th July 2016 – IIT Bombay – Request – Reg.

IIT Bombay is involved in a Demand Side Management (DSM) project in collaboration with Shakti Sustainable Energy Foundation (SSEF) and has been given an opportunity to facilitate the capacity building measures for augmenting the DSM leadership in the country. SSEF is a not-for-profit organization with focus on supporting India's developmental and energy security objectives (www.shaktifoundation.in).

For the past 3 years, we have been working with SSEF to institute a “Virtual Centre for Excellence in Demand Side Management”. The goal of this centre is to enable DSM education and research in the country. We believe that more aware customers and professionals working in power sector can give a major push to energy efficiency and DSM in the country.

In this context, we are organizing a “Two day workshop on DSM on 7 & 8 July, 2016” at the Victor Menezes Convention Centre (VMCC), IIT Bombay, and Mumbai.

It is expected that academicians and experts involved in DSM and working at various universities and consultancies would participate in this workshop and provide their suggestions for creating a course structure for DSM to be introduced at undergraduate and post graduate level in various universities/engineering institutes.

In view of the courses taught and research work being carried out in in energy efficiency and DSM in your university/institute/organisation, we have great pleasure in inviting you for the workshop. We request you to nominate one senior faculty member (energy/ electrical/ mechanical disciplines) involved in DSM to register for the workshop.

Participation in this workshop is by invitation only and there is no registration fee. We have some budget allocated for reimbursement of travel and accommodation for the participants (as per government norms). We look forward to welcoming you along with your designated colleagues. You can register at the online link provided below. Alternately you may please write to suryad@iitb.ac.in for more information.

<https://www.surveymonkey.com/r/IITB-DSM-Workshop>

Attached is the program of the workshop.

Yours Sincerely,

Prof. Suryanarayana Doolia
Associate Professor
Department of Energy Science and Engineering,
Indian Institute of Technology Bombay
Powai, Mumbai - 400 076.



Workshop on
“Demand Side Management”
7-8 July 2016,
Department of Energy Science and Engineering
IIT Bombay

Program

Day 1: July 7, 2016

9:30 to 10:00 AM Registration & Tea

10:00 to 10:30 AM Inaugural Session

- Welcome address - Prof. Rangan Banerjee, IIT Bombay
- Introduction to Shakti Foundation - Ms. Vrinda Sarma
- Project Overview and Deliverables - Prof. Suryanarayana Doolla, IIT Bombay

DSM Course Structure Overview

10:30 to 11:00 AM

Introduction to Demand Side Management (DSM), Energy Scenario, Supply demand balancing, need for Integrated Resource Planning and DSM regulations.

11:00 to 12:30 PM

Technology characterization for DSM (End-use based technology options such as lighting, pumping, space cooling, etc.), Assessment of potential across various load categories and Viability.

12:30 to 1:30 PM

Introduction to Demand Response (DR), Classification of various DR options, Architecture for DR implementation, Role of communication infrastructure, MDMS and DRAS (server & client), DR strategies for various load categories, Potential assessment and M&V.

1:30 to 2:30 PM Networking lunch

DSM Course Structure Overview Contd.

2:30 to 3:00 PM

Load Research (estimating variations in demand and supply of electricity, load forecasting, determining sector wise and end-use wise load patterns), Baseline and Energy auditing.

3:00 to 3:45 PM

EM&V Options for DSM and DR, DSM planning process, Various M&V protocols, Net Present Value Calculations, Discount Rates, Cost-benefit tests, importance of baseline.

3:45 to 4:30 PM Discussion session

4:30 to 4:45 PM Tea/Coffee Break

4:45 to 5:00 PM Summary of proceedings of Day 1.



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Registration Form

- Name:
- Designation:
- University/Institute/Organisation Name:
- Mailing Address:
- Telephone/Mobile No. :
- Email ID:
- Will you be needing accommodation during the workshop? Please provide details about your duration of stay.

Please send the filled in form to the following address:

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