



Agenda

Joint Workshop on Energy and Coal Indian Institute of Technology, Delhi; Indian Institute of Technology, Bombay and Washington University in St. Louis

**Location: IIT Delhi Campus
Tuesday, June 13, 2017**

Host Organizers:

Shantanu Roy (IITD), A.K. Suresh (IITB) Sanjay Mahajani (IITB)

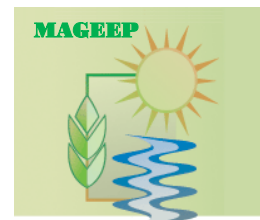
Objectives:

***Explore the current state-of-knowledge and research at IIT and WUSTL in the fields of energy and coal;
Identify knowledge gaps and potential areas for collaborative research***

The workshop will highlight energy and coal research being conducted at the three universities. There will be four sessions:

- 1) State-of-the-art coal – High Efficiency Low Emission (HELE technologies),
- 2) Emissions from combustion sources,
- 3) Coal Gasification and
- 4) Carbon Capture and Storage.

Scott Hume, from the Electric Power Research Institute in the U.S. will lead off with a plenary lecture on state-of-the-art technologies in the U.S. Three to four talks will be presented in each session from faculty at the three universities. At the end of each session there will be a discussion, led by industrial attendees. A layout of the Agenda is provided in the next page





AGENDA

Tuesday, June 13, 2017

8:45 am Introduction and Welcome (IIT Delhi Administrators & Organizers)

9:00 am: *State-of-the-art coal - HELE technologies*

9:00 Plenary: Scott Hume, Principal Technical Leader, Electric Power Research Institute, U.S.A.

9.30 Pratim Biswas (Washington University in St Louis) Control Methods: ESP technologies

9:45 IIT Delhi or IIT Bombay Speaker

10:00 *Panel Discussion*

10:20 am: *Coffee and Tea Break*

10:40 am: *Emissions from combustion sources*

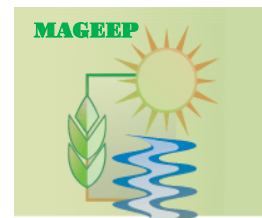
10:40 Brent Williams (WUStL) Source Emissions by State of the Art Instrumentation

11:00 Jay Turner (WUStL) Air Quality Impacts of Combustion Sources

11:20 Virendra Sethi (IITB) Combustion Sources and 10 City Study

11:40 *Panel Discussion*

12:00 noon: Lunch





Tuesday, June 13, 2017 (Afternoon Sessions)

1:30 pm: **Coal Gasification**

1:30 Sanjay Mahajani (IITB) Underground Coal Gasification

1:50 Other talks to be decided

2:30: *Panel Discussion (Industry Participants)*

2:50 pm: *Break*

3:00 pm: **Carbon Capture and Storage**

3:00 R. Axelbaum (WUSTL) Staged Pressurized Oxy-Coal Technology

3:20 A.K. Suresh (IITB) Carbon Capture Using Enhanced Amine Sorbents

3:40 IIT Delhi Talk to be Decided

4:00 pm: *Panel Discussion (Industry Participants)*

4:30 pm: **Workshop Summary and Discussion (Led by R. Axelbaum)**

5:00 pm: *Workshop adjourns*

