

INDO-FRENCH SEMINAR

on

Indoor Air Quality: Monitoring, Prediction Assessment and Cleaning

JOINTLY ORGANIZED BY

Indian Institute of Technology Delhi, India
Groupe des Ecoles des Mines, France

May 31st - June 3rd, 2010
Ecole des Mines de Nantes

From May 31st to June 3rd, the Indian Institute of Technology Delhi (IITD) and the Groupe des Ecoles des Mines (GEM) organise a Research Seminar on **Indoor Air Quality: Monitoring, Prediction Assessment and Cleaning**. The seminar will be held at the **Ecole des Mines in Nantes**. It is supported by the IFPCAR (Indo-French Centre for the Promotion of Advanced Research).

The seminar is a direct outcome of the “Interactive Applied Research Seminar”, jointly organized by the IITD and the GEM, September 24th - 26th, 2008 at the IITD, India, addressing the concerns of industry in the areas of Environment, Energy and Material Sciences. As a result, “**Air Quality**” has been identified as one of the thrust areas of environmental research to be investigated further.

The aim of the present seminar is to explore innovative techniques related to sampling/ analysis and monitoring of the respirable fraction of indoor dust, bio-aerosols and VOCs. Exploring suitable modelling methodologies for prediction of indoor concentrations of respirable particles and VOCs along with exposure assessment will also be under the scope of the seminar. The second objective is to exchange and compare the different methodological approaches on air treatment processes optimization and modelling taken in France and India, considering the different way of life in both countries.

As it happened with the first GEM-IITD research seminar in 2008, it is expected that the proposed collaborative research seminar will strengthen the existing research capabilities and expertise of the Indian and French consortium of participating institutions. Finally this seminar aims at bringing together researchers from both institutions but also from other universities to exchange, explore and define areas of cooperation with a view to establishing joint research programmes with the objectives to answer industrial needs and governmental guidelines or regulations.

Important dates & deadlines

March 1 st 2010	Deadline for abstract submission
April 1 st 2010	Acceptance notification of abstract and selection for oral/poster presentation
May 1 st 2010	Deadline for full-paper submission

Information about the Indoor Air Seminar can be found on the website:

www.emn.fr/z-dre/iaq/

Preliminary Schedule

The Seminar will consist of several thematic sessions, one plenary session, round-table discussions, poster and networking sessions, laboratory and industrial sites visits. Postgraduate students are especially encouraged to participate. The objective of these activities is to foster relationships between the Faculties of the participating institutions to give a boost to joint research at all levels.

<i>Monday 31st May</i>	
First half: Welcome/Opening session Theme 1: Sampling, Analysis and Instrumentation Number of presentations: 7 (15 min + 5 min questions) Coffee break and Poster exhibition Lunch	Second half: Theme 2: Exposure Assessment Number of presentations: 8 (15 min + 5 min questions) Coffee break and Poster exhibition Laboratory visit
<i>Tuesday 1st June</i>	
First half: Theme 3: Air Quality Modelling Number of presentations: 8 (15 min + 5 min questions) Coffee break and Poster exhibition Lunch	Second half: Theme 4: Air Cleaning Technologies Number of presentations: 8 (15 min + 5 min questions) Coffee break and Poster exhibition Social event and dinner
<i>Wednesday 2nd June</i>	
First half: Plenary Session Round table discussion with industry and institution representatives, Future interactions, new research proposals, exchange programmes and future recommendations, conclusion Lunch	Second half: Industrial site visits
<i>Thursday 3rd June</i>	
First half: Conclusion and review session Closure	

Expected outcomes of the seminar

1. Comparative evaluation of suitable sampling, monitoring and analytical techniques for respirable indoor dust, particulate matter and VOCs.
2. Identification/evaluation of the most appropriate modelling techniques for predicting the respirable dust and VOCs indoors for different ambient micro-environmental and indoor conditions.
3. Development of appropriate protocol for exposure assessment in different indoor micro-environments.
4. Comparative evaluation of suitable air cleaning technologies and appropriate modelling approaches for process optimization.
5. Strengthening the research expertise between Indian and French Institutions through shared toolboxes and combining different skills for developing/formulating further research collaborations.

Coordinators from India and France

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