First Announcement

International Conference

on

“Mesoscale Processes in Atmosphere, Ocean and Environmental Systems”

February 14-17, 2006

Organized by

Centre for Atmospheric Sciences
(co-sponsored by India Meteorological Department)
Indian Institute of Technology Delhi
Hauz Khas, New Delhi

BACKGROUND:

The atmospheric science has shown impressive advances during the last 50 years to help the world community to understand and predict meteorological events such as tornadoes, hurricanes, tropical cyclones, droughts, floods, storm surges/tsunami etc. On the other hand, rapid industrialization and urbanization add changes in our environment and present challenges to our understanding of the atmospheric flow that governs the air quality.

Weather and climate and their variability are of concern to world communities. For many countries the economy depends largely on the agriculture, which is significantly affected by the variations in the weather. In fact, Indian economy is dubbed by many as a monsoon gamble and is greatly impacted by weather-related natural hazards. Knowledge of atmospheric and oceanic processes and their interaction is important in understanding all aspects related to weather and pollution.

Significant advances have taken place in the understanding of the atmospheric and the oceanic processes and in the development of atmospheric/oceanic/pollution models. Modern technology such as weather and ocean sensing satellites, fast communication systems, improved measurement systems, efficient computational techniques and improved numerical models combine to provide better simulations and improved predictions of weather related phenomena at various scales.

It is proposed to organize an International Conference at Indian Institute of Technology (IIT) Delhi India on “Mesoscale Processes in Atmosphere, Ocean and Environmental Systems” from February 14 to 17, 2006.

OBJECTIVES:

The aim of the conference is to review the current knowledge of the complex interactions between physical and chemical processes within the earth-atmosphere system, and to identify remedies and strategies for sustainable development plans in both industrialized and developing countries. The objective of the conference is to bring together the scientists/engineers from industry, research organizations, government and academia who are involved in monitoring, measurements, simulation and management of the various problems related to weather and pollution. A special session is proposed to be organized on natural hazards such as cyclones and tsunami waves.

TOPICS:

- Monsoon Variability and Predictability
- Regional Climate Change
- Advanced Observational Systems and Data Assimilation
- Natural Hazards and Coastal Zone Management
- Air Quality Modeling and Impact Assessment
- Urban Pollution
- Coastal/Estuarine Processes
- High Performance Computing in Environmental Modeling.
- Weather-Climate-Environment and Sustainable Development

Papers on related areas will also be covered

SUBMISSION OF ABSTRACTS:

Research papers on the relevant topics are invited from authors. Extended abstracts up to maximum of two pages should be submitted in MS Word format with 12 pt font. The abstract should clearly state the objectives, methods and important results. Abstracts must have full title and include the corresponding author, affiliation of all authors, e-mail, telephone, fax number and complete address. Electronic copy of the abstract can be submitted by e-mail to impa2006@cas.iiitd.ernet.in with “abstract-name of the first author” in the subject by 30th October 2005.

LANGUAGE: - English will be the official language of the conference
WEATHER

February is generally very pleasant in Delhi with mean minimum temperature of 10.1 deg C and mean maximum temperature of 24.2 deg C. The mean Total rainfall of February month is 15 mm and Number of rainy days in February is just 1.3. Since the conference is in mid-February, you may need woolen clothes (Coat, Sweaters, and Jackets).

About the City of Delhi

The capital city of the country and one of the largest cities in India, Delhi has a history extending back over three millennia. The City of Delhi is as old as civilization itself and nurtured with loving care in the hands of several dynasties. As history unfolds itself, we find Delhi a city of magnificent kings and princes, men of great culture, learning and refinement who created famous masterpieces like the Qutab Minar, the Diwan-e-Aam and the Pearl Mosque in the Red Fort. No wonder the city's history is synonymous with the history of India. The evidence of this can be marked distinctly as the city is flourished with tombs, forts, monuments, ramparts and ruins where sightseeing is of great pleasure. There are numerous places to visit in Delhi.

The Qutab Minar is located at a small village called Mehrauli in South Delhi. Qutub-ud-din Aibek of the Slave Dynasty, who took possession of New Delhi in 1206, built it. It is a fluted red sandstone tower, which tapers up to a height of 72.5 meters and is covered with intricate carvings and verses from the holy Qur'an.

Jama Masjid is one of biggest mosques in India, a magnificent architectural gift by Emperor Shah Jahan. Completed in 1658, this mosque has three gateways, four angle towers and two minarets.

The Red Fort is sprawling fort of red sand stones along the river Yamuna surrounded by a wall of about 2.4 km in circumference. It was built by the Mughal emperor Shah Jahan after he transferred his capital from Agra to Delhi. The fort has two main entrances, the Delhi Gate and the Lahori Gate facing the famed Chandni Chowk market. The Fort has Diwan-e-Aam, and Diwan-e-Khas where the king would grant audience to the public and would grant audience to important people respectively. Adjacent to this is the Rang Mahal, the water cooled apartment for the royal ladies. A Light and Sound show is held in the evening.

One of Delhi’s major temples and a major tourist attraction was built by the industrialist G. D. Birla in 1938. This beautiful temple is located in the west of Connaught Place. The temple is dedicated to Laxmi, the goddess of prosperity and good fortune. The temple has well groomed gardens and is popularly known as the Birla Mandir.

Indian Institute of Technology (IIT) Delhi established in 1963 is one of the seven Institutes of Technology in India created as centers of excellence for higher training, research and development in science and technology. IIT Delhi has 13 academic Departments and 11 research Centres. More details are available on the website: www.iitd.ernet.in

PUBLICATIONS

The full length papers related to air quality modeling, impact assessment studies, Urban meteorology / pollution will be published in a special issue of Atmospheric Environment after following the review process. Papers related to meteorology / weather / ocean / environment will be published in a special issue of PAGEOPH and other scientific journals after adopting the review process of concerned journals.

REGISTRATION FEE*

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<th>Category</th>
<th>before December 31, 2005</th>
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<tr>
<td>Foreign Delegates</td>
<td>US$300</td>
<td>US$350</td>
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<td>Accompanying Foreign Delegates**</td>
<td>US$100</td>
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<tr>
<td>Indian Delegates from Institutions/organizations</td>
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* Includes conference kit tea/coffee/lunch during the days of conference and one conference dinner
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IMORTANT DATES:

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<tr>
<td>Receipt of extended abstract</td>
<td>30th October 2005</td>
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<tr>
<td>Notification to the author about acceptance of abstracts</td>
<td>30th November 2005</td>
</tr>
<tr>
<td>Early registration</td>
<td>31st December 2005</td>
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<tr>
<td>Submission of full paper</td>
<td>15th January 2006</td>
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SECRETARIAT OF THE CONFERENCE:

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ABOUT IIT DELHI

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ABOUT THE CENTRE

The Centre for Atmospheric Sciences was set up in the year 1979 at the Indian Institute of Technology Delhi on the premise that fundamental and applied problems of atmospheric and oceanic research are intimately linked to each other and significant new advances are only possible through long term sustained and dedicated efforts. The unique feature of the centre is that it is co-sponsored by the India Meteorological Department. The Centre for Atmospheric Sciences at IIT, Delhi has completed 25 years of its effective existence.

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☐ I intend to participate in the conference
☐ I am interested in sponsorship opportunities
☐ I am interested in the post-conference tours
☐ I would like to participate in the technical exhibition
☐ I intend to submit an extended abstract before Sept., 30, 2005.

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