



First Announcement

The International Science Conference on MAHASRI

2-4 March 2016,
Tokyo Metropolitan University, Japan

The International Science Conference (ISC) on MAHASRI (Monsoon Aasian Hydro-Atmosphere Scientific Research and Prediction Initiative) will be held at the International House in Tokyo Metropolitan University, Tokyo, Japan for the period 2-4 March 2016. MAHASRI has been conducted as one of the Regional Hydroclimatology Projects (RHPs) of the GEWEX (Global Energy and Water Exchanges Project) Hydroclimatology Panel (GHP) under the World Climate Research Programme (WCRP).

The scientific objective of MAHASRI is: "To develop a hydro-meteorological prediction system, particularly with a time scale up to a season, through better scientific understanding of Asian monsoon variability".

In order to achieve this goal, the activities focus on:

- Determining the predictability and key components of Asian monsoon variability with a time scale up to a season for the development of a hydro-meteorological prediction system.
- Developing a real-time monitoring capability for hydro-meteorological observations.
- Developing an integrated hydro-meteorological database including data rescue.
- Examining and improving hydro-meteorological models in some specific river basins.

The key scientific issues to be solved through this program are:

- Atmosphere-ocean-land interactions in the Asian monsoon system
- Effect of various-scale orography on monsoon circulation and rainfall
- Temporal interactions among diurnal, synoptic, intraseasonal and seasonal variability of Asian monsoon
- Spatial interactions among hydro-meteorological phenomena of local, regional and continental scales
- Transferability of hydrological models and parameters for prediction of ungauged or sparsely observed basins

The themes of this conference will center on achievements, impacts, and future prospects of MAHASRI and related projects in the following topics in monsoon Asia:

- Energy and water cycles
- Multiple interactions from diurnal to seasonal variations in precipitation
- Land-ocean-atmosphere interactions
- Heavy precipitation and extremes
- Long-term data rescue and monsoon variability
- Monsoon changes associated with human activities
- Urban climate in mega-city
- Utilization of satellite remote sensing technique for atmospheric, hydrological, and oceanographic processes
- High resolution climate modeling
- Macro- and meso-scale hydrological modeling
- Prediction of rainfall and water resources
- Past and future climate changes, impact and adaptation

The conference will include both invited reviews and contributed talks and posters.

The MAHASRI-ISC will be hosted by the Research Center for Climatology, Tokyo Metropolitan University as its kick-off International Conference, and organized by the MAHASRI International Scientific Committee (MISC). In the morning on March 5, MISC meeting will be organized also at the same venue.

International Scientific Committee

Chair: Jun Matsumoto (Tokyo Metropolitan University)

Vice Chair: Taikan Oki (The University of Tokyo)

Members:

Atsushi Higuchi (Chiba University)
Fadli Syamsudin (Agency for the Assessment and Application of Technology)
Fredolin Tangang (Universiti Kebangsaan Malaysia)
Gemma T. Narisma (Ateneo de Manila University)
Hatsuki Fujinami (Nagoya University)
Johnny C.L. Chan (City University of Hong Kong)
Shinjiro Kanae (Tokyo Institute of Technology)
Thanh Ngo-Duc (Hanoi University of Science)
Tsing-Chang (Mike) Chen (Iowa State University)

Local Organizing Committee

Chair: Jun Matsumoto

Members: Hiroshi Takahashi, Jun-Ichi Hamada

Secretariats: Hiroshi Kunimasa, Mio Tanahashi, Tomoko Motokado

Important dead line dates

Overseas participant registration: 15 December 2015

Abstract submission: 15 January 2016

Japanese participant without presentation and hotel reservation: 31 January 2016

Website:

<http://tmu-rao.jp/events/1817>

Sponsors (tentative)

Tokyo Metropolitan University
Institute for Space-Earth Environmental Research (ISEE), Nagoya University
Atmospheric and Hydrospheric Sciences Section, Japan Geoscience Union
Institute of Industrial Science, The University of Tokyo
Tokyo Institute of Technology
Strategic R&D Area Project "Strategic Research on Global Mitigation and Local Adaptation to Climate Change (S-14)" of the Environment Research and Technology Development Fund supported by the Ministry of Environment, Japan

Special Sessions (tentative)

From IMPAC-T to ADAP-T: Taikan Oki (The University of Tokyo)

Urban climate changes in Jakarta: Manabu Kanda (Tokyo Institute of Technology)

Call for Papers

Authors who wish to present a paper and/or a poster are kindly requested to submit an abstract before 15 January, 2016 via the conference webpage. The Abstract must be in one page (A4 or letter size). The abstract template is available via the conference webpage.