

**Announcement of Opportunity**  
**Institute on “The Asian Monsoon System: Prediction of Change and Variability”**

The global change SysTem for Analysis, Research and Training (START) and the Asia Pacific Network for Global Change Research (APN) invite applications to the **Institute on “The Monsoon System: Prediction of Change and Variability”** to be held at **The East-West Center and the University of Hawaii in Honolulu, Hawaii**, from **2 – 12 January 2008**.

This institute is co-sponsored by the Asia Pacific Network for Global Change Research (APN), the International Pacific Research Center (IPRC), University of Hawaii, the East West Center, and START and contributes to the Climate Variability and Predictability (CLIVAR) project of World Climate Research Program (WCRP) and Monsoon Asia Integrated Regional Study (MAIRS).

Satellite observations and computing technology have helped to greatly increase our understanding of the Asian Monsoon system and modeling of the Monsoon, and to markedly increase predictive capabilities. The institute will bring these advances to the attention of young researchers and scientists from the Asia Pacific region and promote their involvement in regional collaborative research and in international science programs.

**Application Deadline**

The deadline for receipt of applications is **1 August 2007**.

**Eligibility**

This institute is open to young scientists and professionals 35 years of age or younger or no more than 5 years past receipt of doctoral degree. Applicants should have a background in climatology or meteorology, preferably at the postgraduate level and may be affiliated with universities, research institutes, or government agencies. Applications are encouraged from developing countries within the region.

Applicants must be a citizen of a member or approved country of the Asia Pacific Network for Global Change Research (APN).

Member countries and approved countries include:

- |              |                |                    |                  |
|--------------|----------------|--------------------|------------------|
| • Australia  | • Lao People's | • Philippines      | America          |
| • Bangladesh | Democratic     | • Republic of      | • Viet Nam       |
| • Cambodia   | Republic       | Korea              | • Singapore      |
| • China      | • Malaysia     | • Russian          | • Pacific Island |
| • Fiji       | • Mongolia     | Federation         | Countries        |
| • India      | • Nepal        | • Sri Lanka        |                  |
| • Indonesia  | • New Zealand  | • Thailand         |                  |
| • Japan      | • Pakistan     | • United States of |                  |

**Institute Objectives**

There is an increasing need for scientists in the Asia-Pacific region to have up-to-date knowledge of advances in monsoon science. This institute aims to help develop capacity for early career researchers and practitioners to by providing participants with the opportunity to:

- Review advances in Monsoon sciences, especially in relation to variability and predictability of the Monsoon and its hydrological cycle.
- Consider longer-term collaborative research to review and assess modelling efforts,
- Stimulate international data networking, and
- Initiate involvement in international science programs.

The institute will include lectures and group discussions, and will also provide opportunity for participants to report on their own research and to receive constructive advice. Participants will learn of emerging opportunities for collaborative regional research and in the international science programs (CLIVAR, WCRP and MAIRS) they will also be informed of means of accessing climate data, conveniently including those of the Pacific Data Research Center.

### **Institute Curriculum**

Topics to be addressed include:

- The monsoon: Annual cycle and weather systems
- Intraseasonal variability and predictability
- Interannual variations and ENSO-monsoon interaction
- Interdecadal variation and historical record
- Modeling, predictability and prediction
- Asian monsoon in the future and monsoon impacts
- The physics of the coupled monsoon system: variability of SST and oceans roles, water cycle, atmosphere-ocean feedback, and atmosphere-land feedback
- Introduction to Pacific Data Center and other data sources

### **Institute Faculty**

The institute will be directed by Prof. Bin Wang of the IPRC. Participating faculty will include other leading Monsoon scientists from IPRC and the international scientific community.

### **Participant Selection**

Selection of candidates will be based on the review and recommendation of the international organizing committee. In addition to the usual background information applications for the institute must include:

- A detailed statement of ongoing research
- A statement of how participation in the Institute would benefit the individual and when appropriate, the institution in which he/she is employed (plus a statement by institutions' directors)

While selection will largely be based on the above, due regard will be given to geographic distribution and potential benefits to home institutions and agencies of the applicants.

### **Support**

Participants will be provided round trip apex economy airfare, accommodations, and a modest daily subsistence allowance.

### **Application**

1. Please review the eligibility requirements to decide if they apply to you.
2. Download the electronic application from the START website <http://www.start.org/>
3. Carefully read all instructions on the application form. Complete and submit all application documents to START as instructed no later than **1 August 2007**.

For further information and application materials contact [start@agu.org](mailto:start@agu.org). Include "Monsoon Institute" in the title of your email.

