



# **MAHASRI/HyARC**

## **workshop in Vietnam**



### **AGENDA**

## **The MAHASRI/HyARC Workshop**

**5-7 March 2009, Danang, Vietnam**

*(tentative, as of February 23, 2009)*

### **March 5, 2009 (Thursday)**

**7:30-8:00      Registration – Morning Coffee**

**8:00- 8:30      Opening Ceremony (in English and Vietnamese)**

Opening workshop (Jun MATSUMOTO)

Welcome by Host Country (TBD)

Group photo Session

**8:30- 9:00:      Current Status of MAHASRI and AMY (Jun MATSUMOTO)**

**9:00-10:00:      MAHASRI/AMY and Related projects**

(Chairman: NGUYEN Dai Khanh)

9:00-9:15      Coordinated Energy and Water Cycle Observations Project (CEOP)

- Toshio KOIKE

9:15-9:30      Precipitation characteristics and associated environment regimes during SoWMEX/TiMREX

- Jong-Dao (Ben) Jou

9:30-9:45      Presentation of the Mid-Central Regional Hydro- Meteorological Center about the international collaboration projects in the region

- LE Viet Xe

9:45-10:00      Sharing and utilizing hydro-meteorological data in MAHASRI

- Kooiti MASUDA

**10:00-10:30      Coffee break**

- 10:30-12:00     Heavy rainfall and flood in Vietnam and Southeast Asia**  
(Chairman: Toshio KOIKE)
- 10:30-10:45     Inter-comparison of precipitable water observed by GPS and AIRS in the  
Maritime Continents  
-   Nobuhiko ENDO
- 10:45-11:00     Synoptic progress causing heavy rain in the summer monsoon onset in the  
Viet Nam North  
-   PHAM Thi Thanh Huong
- 11:00-11:15     Stable isotopes in precipitation over Monsoon Asia  
-   Kimpei ICHIYANAGI
- 11:15-11:30     Heavy rainfall forecast over Center Vietnam using MM5 and WRF models  
-   HOANG Duc Cuong
- 11:30-11:45     Time-space characteristics of heavy rainfall event in central Vietnam from  
mid-October to mid-November 2007  
-   Hironari KANAMORI
- 11:45-12:00     Severe floods in Central Vietnam simulated by the WRF-TRIP coupling  
system  
-   Thanh NGO-DUC
- 12:00-13:30:     Lunch
- 13:30-15:00     Changes and variability of Southeast Asian monsoon**  
(Chairman: Jun MATSUMOTO)
- 13:30-13:45     The Implication of Heat and Water Balance Changes in a Lake Basin on the  
Tibetan Plateau  
-   Jianqing XU
- 13:45-14:00     Interannual variation in the seasonal Northward movement of the Baiu Front  
in the Western North Pacific  
-   Tomohiko TOMITA
- 14:00-14:15     Seasonal and inter-annual variations of surface climate elements over  
Vietnam  
-   Van-Tan PHAN
- 14:15-14:30     100 years typhoon activities over the Philippines based on the recovery of  
historical typhoon track data  
-   Hisayuki KUBOTA
- 14:30-14:45     The favorable atmospheric conditions for occurrence of repeated torrential  
rains over Jakarta in Java Island  
-   Peiming WU

14:45-15:00 Intraseasonal and Interannual Variability of Rainfall over Bangladesh during summer

- Hatsuki FUJINAMI

**15:00-15:30 Coffee break**

**15:30-17:00: Modeling and prediction of Southeast Asian monsoon**

(Chairman: Takehiko SATOMURA)

15:30-15:45 A case study on the torrential rainfall during period 30 October to 01 November 2008 over Northern part of Vietnam

- DO Le Thuy

15:45-16:00 Propagation of the effects of the additionally-assimilated sondes over the Indian Ocean in an objective analysis

- Qoosaku MOTOKI

16:00-16:15 Seasonal variation of errors in an objective analysis over Vietnam area

- Miki HATTORI

16:15-16:30 Integration of a physically based distributed hydrologic and hydraulic model for flood prediction in Thu Bon-Vu Gia river system in Central Vietnam

- Dang Thanh Mai

16:30-16:45 High-resolution regional climate simulations of the long-term decrease in September rainfall over Indochina

- Hiroshi TAKAHASHI

16:45-17:00 Numerical Simulations of the Effect of Black Carbon Aerosol on Regional Climate in South-east Asia and Vietnam

- HO Thi Minh Ha

**18:00-19:30: Reception**

**March 6, 2009 (Friday)**

**7:30-8:00: Registration (continue) - Morning coffee**

**8:00-12:00: Diurnal cycle of rainfall and convective activities in Asian monsoon region and its impact on regional weather and climate (Joint International Workshop with HyARC, Nagoya Univ.)**

**8:00-10:00 Chairman: Tetsuzo YASUNARI**

8:00-8:15 Opening (Tetsuzo YASUNARI)

8:15-8:45 **Keynote: Diurnal Cycle of Tropical and Monsoon Convection**

- **Richard H. JOHNSON**

8:45-9:00 Role of cold pool formation on the diurnal cycle of precipitation over the maritime continent

- Tomonori SATO

9:00-9:15 Atmospheric Heating over the Tibetan Plateau before Asian Monsoon Onset

- Toshio KOIKE

9:15-9:30 Diurnal variation of low level jets in relation to the precipitation during the Baiu season over Okinawa

- Nga T. PHAM

9:30-9:45 Diurnally Varying Precipitation over the Northern Bay of Bengal

- Takehiko SATOMURA

9:45-10:00 Internal structure of westward migratory cloud systems with diurnal cycle in west Sumatra observed on 10 November, 2006 during HARIMAU 2006 campaign

- Namiko SAKURAI

**10:00-10:30 Coffee break**

**10:30-12:00 Chairman: Manabu D.YAMANAKA**

10:30-11:00 **Keynote: Summer precipitation frequency, intensity, and diurnal cycle over Eastern China**

- **Tianjun ZHOU**

11:00-11:15 Role of Diurnal Cycle of Convection & Precipitation System in modulating the MJO over the Maritime Continent

- Tetsuzo YASUNARI

11:15-11:30 Diurnal cycles and variations of radar echo area near Vientiane, Lao

- Keiko YAMAMOTO

11:30-11:45 Connection of diurnal cycle in convective activity with seasonal march of vegetation activity over Sahel region, Africa revealed by several satellites

- data
- Atsushi HIGUCHI
- 11:45-12:00 Diurnal features of scale-based precipitation systems observed by TRMM PR
- Masafumi HIROSE
- 12:00-13:30 Lunch**
- 13:30-15:00 MAHASRI session (continue)**  
(Chairman: NGUYEN Thi Tan Thanh)
- 13:30-13:45 Dynamical similarity between sea-land breeze and monsoon
- Manabu D. YAMANAKA
- 13:45-14:00 Impact of variations in leaf area index on evapotranspiration in a dry tropical region
- Katsunori TANAKA
- 14:00-14:15 Ozone variations over the Northern subtropical region revealed by ozonesonde observations in Hanoi
- Shin-Ya OGINO
- 14:15-14:30 The Relationship Between the Indian Ocean Dipole Mode and the Interannual Variation of Intraseasonal Oscillation Over South-Eastern Indian Ocean.
- Itou MASAKI
- 14:30-14:45 Radar-Raingauge Data Integration in Southeast Asia
- Hideyuki KAMIMERA
- 14:45-15:00 Nocturnal re-development of coastal convections propagated from western Sumatera Island, Indonesia, observed with JEPP/HARIMAU radars
- Shuichi MORI
- 15:00-15:30 Coffee break**
- 15:30-16:30: General Discussions**
- 16:00-17:00: Closing Remarks**
- March 7, 2009 (Saturday)**
- 08:00-16:00: Technical tour