



MAHASRI/HyARC

workshop in Vietnam



AGENDA

The MAHASRI/HyARC Workshop

5-7 March 2009, Danang, Vietnam

(tentative, as of February 16, 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 Seasonal variation of errors in an objective analysis over Vietnam area
- Miki HATTORI

16:00-16:15 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

16:15-16:30 Propagation of the effects of the additionally-assimilated sondes over the
Indian Ocean in an objective analysis
- Qoosaku MOTOKI

16:30-16:45 Numerical Simulations of the Effect of Black Carbon Aerosol on Regional
Climate in South-east Asia and Vietnam
- HO Thi Minh Ha

16:45-17:00 High-resolution regional climate simulations of the long-term decrease in
September rainfall over Indochina
- Hiroshi TAKAHASHI

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