



MAHASRI/HyARC

workshop in Vietnam



AGENDA

The MAHASRI/HyARC Workshop

5-7 March 2009, Danang, Vietnam

(tentative, as of February 12, 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)

- T. 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
- Kanamori Hironari
- 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 during summer over Bangladesh
- Hatsuki Fujinami
- 15:00-15:30 Coffee break**
- 15:30-17:00: Modeling and prediction of Southeast Asian monsoon**
(Chairman: T. 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 Diurnally Varying Precipitation over the Northern Bay of Bengal
- Takehiko Satomura
- 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 Propagation of the effects of the additionally-assimilated sondes over the Indian Ocean in an objective analysis
- Qoosaku MOTOKI
- 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)

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: T. Yasunari

8:00-8:10 Opening (T. Yasunari)

8:10-8:35 **Keynote: Diurnal Cycle of Tropical and Monsoon Convection**

- **Richard H. Johnson**

8:35-9:50 Diurnal variations of precipitation over the Indochina region during the summer monsoon season

- Hiroshi Takahashi

9:50-9:05 Role of cold pool formation on the diurnal cycle of precipitation over the maritime continent

- Tomonori Sato

9:05-9:20 Atmospheric Heating over the Tibetan Plateau before Asian Monsoon Onset

- Toshio Koike

9:20-9:35 Diurnal variation of low level jets in relation to the precipitation during the Baiu season over Okinawa

- Nga T. Pham

9:35-9:50 Internal structure of westward migratory cloud systems with diurnal cycle in west Sumatra observed on 10 November, 2006 during HARIMAU 2006 campaign

- Namiko Sakurai

9:50-10:30 Coffee break

10:30-12:00 Chairman: Yamanaka

10:30-10:55 **Keynote: Summer precipitation frequency, intensity, and diurnal cycle over Eastern China**

- **Tianjun ZHOU**

10:55-11:10 Role of Diurnal Cycle of Convection & Precipitation System in modulating the MJO over the Maritime Continent

- Tetsuzo Yasunari

11:10-11:25 Diurnal cycles and variations of radar echo area near Vientiane, Lao

- Keiko Yamamoto

11:25-11:40 Connection of diurnal cycle in convective activity with seasonal march of vegetation activity over Sahel region, Africa revealed by several satellites data

- Atsushi Higuchi
- 11:40-11:55 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