

The First International Workshop on Prevention and Mitigation of Meteorological Disasters in Southeast Asia

March 3 - 5, 2008, Palace Side Hotel, Kyoto, Japan

March 3 (Mon)

9:00 9:10 **Opening**

9:10 9:30	Shigeo YODEN	Department of Geophysics, Kyoto University	JAPAN	International Research for Prevention and Mitigation of Meteorological Disasters in Southeast Asia
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Session I: High-resolution numerical weather predictions (chair: S. Yoden)

9:30 9:50	Emmy SUPARKA	Institut Teknologi Bandung	INDONESIA	Reduction of Geohazard Risks for Sustainable Development in Indonesia
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9:50 10:30	Tri Wahyu HADI	Institut Teknologi Bandung	INDONESIA	Mesoscale NWP Model Intercomparisons for the Maritime Continent: Preliminary Results and Future Plan
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(coffee break)

11:00 11:20	Kazuo SAITO	Meteorological Research Institute, JMA	JAPAN	Contribution of MRI to the International Research for Prevention and Mitigation of Meteorological Disasters in Southeast Asia
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11:20 11:40	Tabito HARA	Japan Meteorological Agency	JAPAN	Operational Mesoscale NWP at the Japan Meteorological Agency
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11:40 12:20	Md. Nazrul ISLAM	SAARC Meteorological Research Centre	BANGLADESH	Use of Regional Climate Model to Study Extreme Weather Events in and around Bangladesh
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(lunch break)

13:30 13:50	KIEU Thi Xin	Vietnam National University of Hanoi	VIETNAM	Numerical Weather Prediction with High Resolution Regional Model-HRM in Vietnam. Impact of Convection Parameterization on Heavy Rainfall Forecast of HRM, Verification and Problems for Very Low Latitudes
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13:50 14:30	Mezak Arnold RATAG	Indonesia National Meteorology and Geophysical Agency (BMG)	INDONESIA	Development of High Resolution Models and its Applications for Weather and Climate Risk Reduction in Indonesia (tentative)
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14:30 14:50	Palikone THALONGSENGCHANH	Department of Geophysics, Kyoto University	JAPAN/LAO, PDR	A Down-Scale Experiment on Numerical Weather Prediction in Indochina Region (Lao PDR)
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14:50 15:30	Krushna Chandra GOUDA	CSIR Centre for Mathematical Modelling and Computer Simulation	INDIA	Comparison of Two Strategies for Simulation of Extreme Rainfall Events
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(coffee break)

Session II: Tutorials and demonstrations (chair: S. Yoden)

16:00 16:40	Shugo HAYASHI	Meteorological Research Institute, JMA	JAPAN	Basic Usage of the NHM for Numerical Weather Experiments
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16:40 17:20	Seiya NISHIZAWA	Department of Geophysics, Kyoto University	JAPAN	Experimental Development of a Unified Data Base and Decision Support System for Prevention and Mitigation of Meteorological Disasters
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40 min. talk = 30 min. presentations + 10 min. questions/discussions
20 min. talk = 15 min. presentations + 5 min. questions/discussions

March 4 (Tue)**Session III: High-impact weather and its simulation/prediction (chair: K. Saito)**

9:00	9:20	Vinliam BOUNLOM	Hydrological Division, Department of Meteorology and Hydrology	LAO, PDR	Country Report on Hydro-Meteorological Disasters in Lao PDR For the Year 2006
9:20	9:40	Long SARAVUTH	Ministry of Water Resources and Meteorology	CAMBODIA	Flash Flood in Preas Vihear Province (tentative)
9:40	10:20	Fredolin TANGANG	National University of Malaysia	MALAYSIA	On the Roles of the Northeast Cold Surge, the Borneo Vortex, the MJO and the IOD during the Worst 2006/2007 Flood in Southern Peninsular Malaysia
10:20	10:40	Taiichi HAYASHI	DPRI, Kyoto University	JAPAN	Disaster by the Severe Cyclone "Sidr" in the Coastal Region of Bangladesh in November, 2007

(coffee break)

11:10	11:30	Hiromu SEKO	Meteorological Research Institute, JMA	JAPAN	Numerical Simulation of Heavy Rainfall Events in South/Southeast Asia Using NHM
11:30	11:50	Rosbintarti Kartika LESTARI	Nanyang Technological University	SINGAPORE	Preliminary Study on the Precipitation of Maritime Southeast Asia
11:50	12:10	Kazuhiisa TSUBOKI	Nagoya University	JAPAN	Simulation Experiments of Typhoons and Tornadoes Using the Cloud Resolving Model
12:10	12:30	Toshiki IWASAKI	Tohoku University	JAPAN	Influences of Cloud Microphysical Processes on Structure and Development of Tropical Cyclone
12:30	12:50	Mitsuru UENO	Meteorological Research Institute, JMA	JAPAN	Recent Advancements in the Understanding of Typhoon Inner-Core Structures and its Implication for Typhoon Vortex Initialization

(lunch break)**Session IV: Satellite observations, their applications and data assimilation (chair: T.-Y. Koh)**

14:00	14:40	Toshitaka TSUDA	RISH, Kyoto University	JAPAN	Utilization of GPS Radio Occultation Data for the Studies of Atmosphere Dynamics
14:40	15:00	Yoshinori SHOJI	Meteorological Research Institute, JMA	JAPAN	An Experiment of Near Real-time Precipitable Water Vapor Retrieval Using Ground-Based GPS stations in South East Asia
15:00	15:40	Perapol BEGKHUNTOD	RFMMC, Mekong River Commission	CAMBODIA	Satellite-Based Rainfall Estimation and Hydro- Meteorological Networks for Flood Forecasting in the Mekong River Basin

(coffee break)

16:10	16:30	Hirohiko ISHIKAWA	DPRI, Kyoto University	JAPAN	Satellite Monitoring of Hazardous Weather in Asia
16:30	16:50	Masaru KUNII	Meteorological Research Institute, JMA	JAPAN	Meso-Scale Data Assimilation Experiment in Low Latitudes
16:50	17:10	Le DUC	Vietnam National University of Hanoi	VIETNAM	Development of a Data Assimilation System with HRM Model and 3DVAR Technique
17:10	17:30	Takeshi ENOMOTO	Japan Agency for Marine- Earth Science and Technology	JAPAN	ALERA:AFES-LETKF Experimental Ensemble Reanalysis
17:30	18:10	Vijapuapu S. PRASAD	National Center for Medium Range Weather Forecasting	INDIA	Assimilation of Direct Satellite Radiance Data at NCMRWF

18:30 20:30 (banquet)

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March 5 (Wed)

Session V: Model output statistics, predictability, and decision supports (chair: T. Satomura)

9:00	9:20	Tieh Yong KOH	Nanyang Technological University	SINGAPORE	Statistical Verification of COAMPS Model over SCSMEX Period
9:20	9:40	Hongwen KANG	APEC Climate Center	KOREA	Multi-Model Output Statistical Downscaling Prediction of Precipitation in the Philippines and Thailand
9:40	10:00	Edwin S. T. LAI	Hong Kong Observatory	P. R. CHINA	Use of NWP and EPS Products in Support of Location-Specific Forecasts
10:00	10:20	Hitoshi MUKOUGAWA	DPRI, Kyoto University	JAPAN	Predictability of Tropical Circulation Examined by Breeding of Growing Mode(BGM) Method for JMA Ensemble Prediction System

(coffee break)

10:50	11:10	Syozo YAMANE	Chiba Institute of Science	JAPAN	Properties of Ensemble Perturbations Evolving in an Atmospheric General Circulation Model
11:10	11:30	Prawit JAMPANYA	Thai Meteorological Department	THAILAND	The Meteorological Natural Disasters Warning System of Thailand
11:30	11:50	SANGA-NGOIE Kazadi	Ritsumeikan Asia Pacific University	JAPAN	Our Endangered Costal Ecosystems - an Eco-climatic and Risk Analysis Using GIS and Remote Sensing -
11:50	12:10	Kamol PROMASAKHA NA SAKOLNAKHON	Thai Meteorological Department	THAILAND	Integration NWP Data and Applied Geographic Information System(GIS) Management for Landslide at Amphure Pai, Mae Hong Son
12:10	12:30	Takeshi HORINOUCI	RISH, Kyoto University	JAPAN	Database and Data-Analysis Infrastructure for Atmospheric Studies

(lunch break)

Session VI: High-resolution model as a fundamental research tool (chair: T.W. Hadi)

14:00	14:20	Takehiko SATOMURA	Department of Geophysics, Kyoto University	JAPAN	Development of Ultra-High Resolution Numerical Model
14:20	14:40	Nurjanna Joko TRILAKSONO	Institut Teknologi Bandung	INDONESIA	Study of Diurnal Patterns of Convection in Sumatra Island Using Weather Research and Forecasting-Advanced Research WRF (WRF-ARW) Model
14:40	15:00	Shigenori OTSUKA	Department of Geophysics, Kyoto University	JAPAN	Numerical Experiments on Vertically Fine Structures of Water Vapor in the Tropics
15:00	15:20	Yoichi ISHIKAWA	Department of Geophysics, Kyoto University	JAPAN	Dependency of the Tropical Convective Clouds on the Sea Surface Temperature Simulated by a High-Resolution Coupled Model
15:20	15:40	Tetsuya TAKEMI	DPRI, Kyoto University	JAPAN	Environmental Stability Control of the Precipitation Structure and Intensity within Mesoscale Convective Systems

(coffee break)

Session VII: Future research and collaborations

16:10	16:50	all participants			Open Discussions
16:50	17:00	Closing			

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