

The 9th Annual IPRC Symposium
Asia Room, Imin Conference Center, East-West Center
June 1-2, 2009

June 1, 2009, Monday, 9:00-17:00

8:30-9:00 Coffee; broadcast starts

9:00-9:10 Opening

9:10-11:00 Session 1. Predictability of the atmosphere

Chair: Oliver Timm

9:10-9:30 Kevin P Hamilton “The Sky is Falling - Stratospheric Influence on Extended Range and Seasonal Forecasts”

9:30-9:50 Minoru Kadota “Effect of stratosphere-troposphere coupling on weather forecast”

9:50-10:10 Xiouhua Fu “Prospects and issues of monsoon intraseasonal forecasting”

10:10-10:30 Jasti Sriranga Chowdary, Shang-Ping Xie, Jing-Jia Luo, Jan Hafner, Swadhin Behera, Yukio Masumoto and Toshio Yamagata “Predictability of Northwest Pacific climate during summer and the role of the Tropical Indian Ocean”

10:30-10:50 June-Yi Lee “Definition and predictability of Monsoon ISO index”

10:50-11:00 Posters and demo presentations (Lei Wang and Yuqing Wang; Nikolai Maximenko and Jan Hafner; Yingshuo Shen & APDRC)

11:00-11:20 Coffee break

11:20-12:40 Session 2. Ocean processes

Chair: Oleg Melnichenko

11:20-11:40 Tangdong Qu “Can equatorial 13C water affect the cold tongue surface temperature?”

11:40-12:00 Ryo Furue “Subduction and the South Indian subtropical countercurrents”

12:00-12:20 Andrei Natarov “Imprints of transient wind in the western equatorial Pacific”

12:20-12:40 Yoshinori Sasaki “Decadal shifts of the Kuroshio Extension jet: Application of thin-jet theory”

12:40-13:00 Meeting photo – Asia Room

13:00-14:00 Lunch

14:00-15:20 Session 3. Air-sea interaction

Chair: Sachiko Yoshida

14:00-14:20 Niklas Schneider and Emanuele Di Lorenzo “Toward a Synthesis of North Pacific Gyre Mode and Decadal Variability”

14:20-14:40 Hiroki Tokinaga “Atmospheric effects of the Kuroshio large meander during 2004-2005”

14:40-15:00 Shayne McGregor “A unified proxy for ENSO variability of the last 350-yrs”

15:00-15:20 Ping Liu, Masaki Satoh, Bin Wang, Hironori Fudeyasu, Tomoe Nasuno, Tim Li, Hiroaki Miura, Hiroshi Taniguchi, Hirohiko Masunaga, Xiouhua Fu, and H. Annamalai “An MJO simulated by the NICAM at 14-km and 7-km resolutions”

15:20-15:40 Coffee break

15:40-17:00 Session 4. Dynamics of tropical cyclones

Chair: Kazuyoshi Souma

15:40-16:00 Yuqing Wang, and Jing Xu “Energy production, frictional dissipation, and maximum potential intensity of tropical cyclones”

16:00-16:20 MinHo Kwon “Frequency changes of the tropical cyclones over the North Pacific region due to global warming climate state”

16:20-16:40 Kazuyoshi Kikuchi “Genesis of Nargis and TCs in the northern Indian Ocean associated with Madden-Julian Oscillation”

16:40-17:00 Shengjun Zhang “Tropical Cyclone Initialization based on WRF 3DVAR”

Broadcast ends

June 2, 2009, Tuesday, 9:00-17:00

8:30-9:00 Coffee; broadcast starts

9:00-11:00 Session 5. Long-period climate variations

Chair: Yoshiyuki Kajikawa

9:00-9:20 Shang-Ping Xie “What determines rainfall changes in global warming?” ([video available](#))

9:20-9:40 Axel Timmermann “More evidence for the case of a Deep North Pacific Overturning Circulation during the Mystery Interval” ([video available](#))

9:40-10:00 Oliver Timm, Axel Timmermann, Laurie Menviel, Ayako Abe-Ouchi, Fuyuki Saito, Tomonori Segawa, and Peter Koehler “A paleoclimatic view on the history of African monsoon, vegetation, and desert: 130,000 BP to present” ([video available](#))

10:00-10:20 Axel Lauer “The Impact of Global Warming on Marine Clouds over the Eastern Pacific” ([video available](#))

10:20-10:40 Laurie Menviel “Climate and carbon cycle response to an abrupt Meltdown of the West Antarctic Ice Sheet” ([video available](#))

10:40-11:00 Tobias Friedrich “Orbital modulation of millennial-scale climate variability in an earth system model of intermediate complexity” ([audio available](#))

11:00-11:20 Coffee break

11:20-12:50 Session 6. Mesoscale ocean activity

Chair: Tobias Friedrich

11:20-11:40 Zuojun Yu “Mesoscale eddies in the Gulf of Aden” ([video available](#))

11:40-12:00 Yanli Jia “Formation of cyclonic eddies in the lee of the island of Hawaii” ([video available](#))

12:00-12:20 Sachiko Yoshida “Forcing mechanisms of 60-day variability in the lee of the Island of Hawaii” ([video available](#))

12:20-12:40 Oleg Melnichenko and Nikolai Maximenko “Propagating quasi-zonal jets (striations) in the Pacific Ocean” ([video available](#))

12:40-12:50 Konstantin Lebedev et al. “Argo product at APDRC”, introduction to the lunch-time demonstration ([video available](#))

12:50-14:00 Lunch

14:00-15:40 Session 7. Monsoon and intraannual climate dynamics

Chair: Jasti Sriranga Chowdary

14:00-14:20 Annamalai Hariharasubramanian “Conceptual model for monsoon variability” ([video available](#))

14:20-14:40 Hyodae Seo “Seasonal effects of Indian Ocean freshwater forcing in a regional coupled model” ([video available](#))

14:40-15:00 Yoshiyuki Kajikawa “Decadal change of South China Sea summer monsoon onset” ([video available](#))

15:00-15:20 Kazuyoshi Souma “A Comparison between Albedo and Hydrological Effects of Eurasian Snow on East-Asian Summer Monsoon Rainfall” (*video coming soon*)

15:20-15:40 Pang-chi Hsu “Interaction between Boreal Summer Intraseasonal Oscillations and Synoptic-scale Disturbances over the Western North Pacific” ([video available](#))

15:40-16:00 *Coffee break*

Broadcast ends

16:00-17:00 *Wrap-up Discussion*

Chair: Jim Potemra

----- **POSTERS AND BREAK-TIME DEMONSTRATIONS** -----

Yingshuo Shen and APDRC Staff "APDRC Data Service", demonstrations at 11:00-11:20, June 1st and 2nd.

Konstantin Lebedev, Nikolai Maximenko, Peter Hacker, Jim Potemra, and Sharon DeCarlo “Argo product at APDRC”, lunch-time demonstration, 12:50-14:00, June 2nd.

Lei Wang and Yuqing Wang "Preliminary simulation of Pacific climate using the IPRC Regional Coupled Ocean-Atmosphere Model (iROAM)", poster.

Nikolai Maximenko and Jan Hafner "Ocean surface circulation and marine debris", poster.

Peter Hacker, Jim Potemra, Sharon DeCarlo, Yingshuo Shen, Yanli Jia, Nikolai Maximenko, and Konstantin Lebedev "Asia-Pacific Data-Research Center, a GODAE Product Server", poster.

Convener of the Symposium: Nikolai Maximenko

Organizing Committee of the Symposium: Jasti Sriranga Chowdary, Tobias Friedrich, Jeanie Ho, Yoshiyuki Kajikawa, Oleg Melnichenko, Ron Merrill, Kazuyoshi Soma, Oliver Timm, Keiko Tokinaga, Sachiko Yoshida