

INTERNATIONAL SYMPOSIA ON RECENT PROGRESSES IN CLIMATE VARIABILITY STUDY: NEW FACES OF CLIMATE VARIABILITY 30-31 October 2013

Admission : Free (Pre-registration required) http://www.jamstec.go.jp/apl/e/topics/modoki2013/

SCALE INTERACTIONS IN CLIMATE VARIABILITY 1 November 2013

Admission : Free http://www.jamstec.go.jp/rigc/e/workshop/20131101/

Miyoshi Memorial Hall

Yokohama Institute for Earth Sciences, JAMSTEC 3173-25 Showa-machi, Kanazawa-ku, Yokohama Kanagawa

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NEW FACES OF CLIMATE VARIABILITY 30-31 October 2013

Day1: Oct 30

09:00-10:00 Registration 10:00-10:10 Announcements

Welcome Address:

10:10-10:20 Yoshihisa Shirayama, JAMSTEC, Japan

First Session: Past, Present and Future of Indo-Pacific Climate Variability		
10:20-11:00	Toshio Yamagata, APL, JAMSTEC, Japan	
	"New faces of climate variations in the Indo-Pacific sector"	
11:00-11:40	Antonio Navarra (Invited), CMCC, Italy	
	"Atmosphere-ocean interactions at strong couplings in a simple model	
	of El Niño"	
11:40-12:20	F.J. Doblas-Reyes (Invited) IC3, Spain	
	"Decadal climate prediction: predicting the near term for adaptation	

liction: predicting the and climate services"

12:20-14:00 Lunch Break

Second Session: ENSO Modoki

14:00-14:30	Swadhin Behera, APL/RIGC, JAMSTEC, Japan
	"A new paradigm of climate variability in the tropical Pacific"
14:30-15:10	Surya Chandra Rao (Invited), IITM, India
	"Tropical Climate Modes in high resolution coupled model"
15.10-15.20	Karumuri Ashok (Invited) IITM India

- "El Niño Modokis: Why they are a distinct class"
- 15:50-16:10 Coffee Break

Third Session: Ningaloo Niño

16:10-16:50	Ming Feng (Invited), CSIRO, Australia
	"Variability and dynamics of the Ningaloo Niño"
16:50-17:20	Takahito Kataoka, U. Tokyo, Japan
	"On the Ningaloo Niño/Niña"
17:20-17:50	Takeshi Doi, APL/RIGC, JAMSTEC, Japan
	"Predictability of the Ningaloo Niño/Niña"

18:15-20:00 Reception

Day2: Oct 31

Fourth Session: Tropical and Subtropical Climate Variations

10:00-10:40	Ping Chang (Invited), Texas A&M Univ., USA
	"The Impact of the El Niño-Southern Oscillation and Atlantic
	Meridional Mode on Atlantic Tropical Cyclone Activity"
10:40-11:20	Gabriel Vecchi (Invited), GEDL, USA

- "Atmospheric Nonlinearity and the El Niño-Southern Oscillation" Yushi Morioka , RIGC, JAMSTEC, Japan 11:20-11:50 "Role of tropical SST variability on the formation of subtropical
- dipoles" 11:50-12:20 Chaoxia Yuan, APL, JAMSTEC, Japan
- "Predictability of the Subtropical Dipole Modes in a Coupled Ocean-Atmosphere Model"
- 12:20-13:30 Lunch Break

Fifth Session: Progresses and Challenges in Climate Predictions

13:30-14:10 Arun Kumar (Invited), NCEP, USA "Understanding changes in ENSO characteristics during last decade" 14:10-14:50 Sarah Ineson (Invited), Hadley Centre, UK "GloSea5: the Met Office high resolution prediction system" Sebastien Masson (invited), LOCEAN, France 14:50-15:30 "The relationship between the mean and interannual variability of the Indian Summer Monsoon (ISM) onset date and Sea Surface Temperature (SST) remains controversial"

- 15:30-16:10 Jing-Jia Luo (Invited), BMRC, Australia "Current status of intraseasonal-seasonal-to-interannual prediction of the Indo-Pacific climate"
- 16:10-16:30 Coffee Break

Sixth Session: African Perspective

- 16:30-17:00 Genito Amos Maure (Invited), Dep. of Physics, Eduardo Mondlane University, Mozambigue "Modeled impact of biomass burning aerosol loading on Southern Africa precipitation"
- 17:00-17:30 Alberto Francisco Mavume (Invited), Dep. of Physics, Eduardo

Mondlane University, Mozambique

"Climatology of tropical cyclones in the South-West Indian Ocean" 17:30-18:00 Atanásio João Manhique (Invited), National institute of Meteorology,

Mozambique

"Atmospheric and Ocean patterns associated with the extreme rains and floods in southern Africa in January 2013"

18:00-18:10 Closing Remarks (Toshio Yamagata)

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09:00-10:00 Registration

07.00 10.00	negistration	
First Session: Modes of Tropical Climate Variability: Observations and Simulations		
10:00-10:30	(Chair: Swadhin Behera) Yukio Masumoto, JAMSTEC, Japan "Interactions between intraseasonal variability and Indian Ocean Dipole in the tropical eastern Indian Ocean"	
10:30-11:00	Wenju Cai (Invited), CSIRO, Australia "The impact of greenhouse warming on the Indian Ocean Dipole"	
11:00-11:20	Kentaro Ando, JAMSTEC, Japan "Observed ocean and atmosphere processes associated with climate modes in the tropics"	
11:20-11:40	Tomoki Tozuka, JAMSTEC, Japan "Influence of the reflected Rossby waves on the western Arabian Sea upwelling region"	
11:40-12:00	Ingo Richter, JAMSTEC, Japan "On the relation among SST, deep convection and surface winds in the equatorial Atlantic"	
12:00-12:20	Motoki Nagura, JAMSTEC, Japan "Meridional heat advection due to mixed Rossby gravity waves in the equatorial Indian Ocean"	
12:20-13:30	Lunch Break	
Second Sess	ion: Scale-Interactions and Teleconnections	
13:30-14:00	(Chair: Masami Nonaka) Niklas Schneider (Invited), U. Hawaii, USA "The response of the atmospheric boundary layer to a weak sea surface temperature fronts"	
14:00-14:20	Saji Hameed, U. Aizu, Japan "The role of Indo-Pacific modes on the interannual modulation of typhoon activity in the western North Pacific"	
14:20-14:40	Hidenori Aiki, JAMSTEC, Japan "Momentum fluxes to ocean circulation as given by the dissipation rate of surface waves under tropical cyclone conditions"	
14:40-15:00	Hyung-Jin Kim (Invited), APCC, Korea "Advance and prospectus of APCC seasonal prediction system: Sharing	
15:00-15:20	climate information and technology" Venkata Ratnam, JAMSTEC, Japan "Effect of ENSO on southern Africa precipitation"	
15:20-15:40	Coffee Break	
Third Sessio	n: Subtropical and Extra-tropical Climate Variations (Chair: Yukio Masumoto)	
15:40-16:10	Hisashi Nakamura (Invited), U. Tokyo, Japan "Impacts of the North Pacific SST on the atmospheric boundary layer and free troposphere"	
16:10-16:30	Masami Nonaka, JAMSTEC, Japan "Uncertainty and predictability of interannual variability in the Kuroshio Extension"	
16:30-16:50	Koutarou Takaya, JAMSTEC, Japan "Intraseasonal differences of ENSO impacts on East Asian winter monsoon"	
16:50-17:10	Toru Miyama, JAMSTEC, Japan "Convective rainband persistent along the warm Kuroshio in the East China Sea : Case Studies"	
17:10-17:30	Desmond Manatsa, Bindura University, Zimbabwe "Link between Antarctic ozone depletion and summer warming over southern Africa"	
17:30-17:50	Mototaka Nakamura, JAMSTEC, Japan "Impacts of extratropical SST anomalies on regional and hemispheric climate"	
17:50-18:00	Closing Remarks	