

# Workshop on "Application of Ocean and Climate Predictions"

Miyoshi Hall, Yokohama Institute of Earth Sciences, JAMSTEC  
January 25, 2017

9:00	-	9:30	Registration
9:30	-	9:40	Inauguration, local information, announcements
			<b>Climate variability and predictability I</b> Chairs: Toshio Yamagata, Antonio Navarra, G. Ramadass
9:40	-	10:00	Invited: "Understanding non-monsoonal precipitation response in the Karakoram and Hindu Kush Himalayas to climate change" Raghavan Krishnan, IITM, India
10:00	-	10:20	Invited: "External sources for two-year predictability of the multi-year La Niña event in 2010-2012" Jing-Jia Luo, BMRC, Australia
10:20	-	10:35	"Improving the Indian Ocean Dipole prediction by the SINTEX-F2" Takeshi Doi, JAMSTEC
10:35	-	10:50	"Seasonal-decadal climate variability in Two Oceans" Yushi Morioka, JAMSTEC
10:50	-	11:05	"Relative importance of the processes contributing to the development of SST anomalies in the eastern pole of the Indian Ocean Dipole and its implication for predictability" Tomoki Tozuka, University of Tokyo, Japan
11:05	-	11:20	<b>Coffee Break</b>
			<b>Climate variability and predictability II</b> Chairs: Bo Qiu, Hidenori Aiki, Ingo Richter
11:20	-	11:40	Invited: "Influences of intraseasonal variability on the mean equatorial upwelling in the Indian Ocean" Yukio Masumoto, University of Tokyo, Japan
11:40	-	11:55	"Response of ocean-atmosphere system and its uncertainty to wind stress anomaly in the Northeastern Pacific" Bunmei Taguchi, University of Tokyo, Japan
11:55	-	12:10	"Spectral cumulus parameterization using cloud-resolving model" Yuya Baba, JAMSTEC
12:10	-	12:25	"Dynamical downscaling of SINTEX-F2 forecasts over South Africa" Venkata Ratnam, JAMSTEC
12:25	-	12:40	"Chemical weather forecasting for Arctic region during the R/V Mirai cruise in 2016" Masayuki Takigawa, JAMSTEC
12:40	-	12:50	Discussion
12:50	-	13:40	<b>Lunch Break</b>
			<b>Studies on climate and ocean processes</b> Chairs: Shoshiro Minobe, Tomoki Tozuka, Nikolai Maximenko

13:40	-	14:00	Invited: "Future states of the Arctic Ocean using a coupled ice-ocean model with probability distribution functions" Motoyoshi Ikeda, JAMSTEC
14:00	-	14:15	"Towards a seamlessly diagnosable expression for the energy flux associated with waves at all latitudes including equatorial and coastal waveguides" Hidenori Aiki, Nagoya University, Japan
14:15	-	14:30	"Phase locking of equatorial Atlantic variability through the seasonal migration of the ITCZ" Ingo Richter, JAMSTEC
14:30	-	14:45	"Dynamics and its implication of a Quasi-stationary Jet along the Subarctic Front in the North Pacific Ocean (the Isoguchi jet)" Toru Miyama, JAMSTEC
14:45	-	15:00	"Impacts of sea-surface salinity in an eddy-resolving semi-global OGCM" Ryo Furue, JAMSTEC
14:45	-	15:00	"Atmosphere-ocean interaction mediated by explosive cyclones in the North Pacific" Akira Kuwano-Yoshida, JAMSTEC
15:00	-	15:15	"A mechanism and predictability study of Euro-Russian blocking in summer of 2010" Akira Yamazaki, JAMSTEC
15:15	-	15:25	Discussion
15:25	-	15:40	<b>Coffee Break</b>
<b>Climate and ocean application studies for societal benefits</b> Chairs: Noboru Minakawa, Jaiho Oh, Takeshi Doi			
15:40	-	16:00	Invited: "Role of climate in infectious diseases" Masahiro Hashizume, NEKKEN, University of Nagasaki, Japan
16:00	-	16:15	"Predicting malaria incidence in Limpopo using machine learning methods" Tak Ikeda, JAMSTEC
16:15	-	16:30	"Validation of the regional climate model for the seasonal forecast over Southeast Asia" Satyaban Ratna, JAMSTEC
16:30	-	16:45	"Palm oil in Malaysia: Climate control and potential yield" Pascal Oettli, JAMSTEC
16:45	-	17:00	"Achievements and perspectives of JCOPE downscaled ocean modeling and forecasting" Sergey Varlamov, JAMSTEC
17:00	-	17:15	"Production mechanism of submesoscales in the eastern subtropical Pacific" Hideharu Sasaki, JAMSTEC
17:15	-	17:35	Invited: "Technologies for exploration and harvesting ocean resources" G. A. Ramadass, NIOT, India
17:35	-	17:45	Discussion
17:45	-	17:50	Closing