



**IPRC ANNUAL SYMPOSIUM**  
May 27, 2010, Koi Room, East-West Center



*Session 1 9:30-11:30 am*

*Mesoscale and submesoscale dynamics and their role in nutrient upwelling in the subtropics: observations and OFES model*

**Francois Ascani**

*Observational evidence for propagation of decadal spiciness anomalies in the North Pacific*

**Yoshinori Sasaki**

*A logistic regression model for WNP tropical cyclone formation forecast*

**Bing Fu, M.S. Peng, T. Li, J. Hansen**

*The influence of Northern Hemisphere ice-sheets on the North African monsoon during the last 130,000 years*

**Oliver Elison Timm**

*An explicit multiscale model for the Madden-Julian Oscillation*

**Fei Liu and B. Wang**

*Modeling the formation of the Arabian Sea oxygen minimum zone*

**Zuojun Yu, J. McCreary, R. Hood, A. Vinay, A. Ishida, and K. Richards**

*Predictability of summer northwest Pacific climate in eleven coupled model hindcasts: Role of the tropical Indian Ocean*

**Jasti Chowdary**

*The detection and significance of diurnal pressure and potential vorticity anomalies east of the Rockies*

**Yanping Li and R.B. Smith**

*Adaptive scaling model of the main pycnocline and the associated overturning circulation*

**Neven-Stjepan Fuckar**

*Predictability of eddy generation in the lee of the Hawaiian Islands*

**Yanli Jia**

**Session 2 12:30-2:30 pm**

*The effect of topography-enhanced diapycnal mixing on ocean and atmospheric circulation and marine biogeochemistry*

**Tobias Friedrich**, A. Timmermann, T. Decloedt, D.S. Luther, A. Mouchet

*Summer monsoon moisture variability over China and Mongolia during the past four centuries*

**Jinbao Li**, E. R. Cook, F. Chen, N. Davi, R. D'Arrigo, X. Gou, W.E. Wright, K. Fang, L. Jin, J. Shi, and T. Yang

*Cloud resolving simulations of tropical cyclogenesis: "top-down" versus "bottom-up" scenario*

**Xuyang Ge**

*Clouds over the eastern Pacific in the IPRC Regional Atmospheric Model*

**Axel Lauer**

*Simulation of seasonal variation of marine boundary layer clouds over the eastern Pacific with the IPRC Regional Atmospheric Model (iRAM)*

**Lei Wang**, A. Lauer, Y. Wang and L. Zhou

*SCUD: Surface CUrrents from Diagnostic Model*

N. Maximenko and **Jan Hafner**

*Two types of the tropical intraseasonal oscillation: Annual and interannual variations*

**Kazuyoshi Kikuchi** and B. Wang

*Moist teleconnection between tropical Pacific Ocean and Indian monsoon*

**Prasanth A Pillai** and H. Annamalai

*Better initial conditions significantly improve intraseasonal prediction*

**Xiouhua Fu**

*Do equatorial currents control the levels of mixing in the western equatorial Pacific?*

**Andrei Natarov**

*Decadal variability in subduction rate of the North Pacific identified by OFES*

**Tangdong Qu** and collaborators

**Session 3 2:45-4:45 pm**

*The Pacific Meridional Overturning Circulation and its impact on global climate and the carbon cycle: Idealized modeling experiments*

**Laurie Menviel**

*ENSO regulation of MJO-teleconnection*

**Ja-Yeon Moon**, B. Wang, K.-J. Ha

*Time-variant zonal jet-like structures (striations) in the ocean circulation*

**Oleg Melnichenko**, N. Maximenko, and H. Sasaki

*Stationary striations in the ocean*

**Nikolai A Maximenko**, O. Melnichenko, N. Schneider, H. Sasaki, and E. DiLorenzo

*Annual cycle of storm track-jet relationship over the Pacific & Atlantic: Another look at midwinter suppression of the Pacific storm track*

**June-Yi Lee**, S.-S. Lee, B. Wang, F.-F. Jin, W.-J. Lee, and K.-J. Ha

*Processes responsible for extended Indian monsoon breaks*

**V. Prasanna** and H. Annamalai

*Promoting a symbiotic partnership between the IPRC and APDRC*

**Sharon DeCarlo**, J. Potemra, K.-L. Wang, J. Hafner

*Drying trend over south Asia: Is it human influenced?*

**H. Annamalai**

*Regional coupled downscaling of global warming in the tropical Atlantic: Response in equatorial upwelling and tropical instability waves*

**Hyodae Seo** and S.-P. Xie

*Hawaiian Lee eddies: forcing mechanisms and features*

**Sachiko Yoshida**

*Taking stratospheric effect into account to improve extended range weather forecasts*

**Minoru Kadota**

**Session 4 5:00-7:00 pm**

*Response of the ocean/atmosphere system to an abrupt collapse of the North Atlantic thermohaline circulation in the ECHAM5/MPI\_OM coupled model*

**Audine Laurian**

*Interactions between boreal summer intraseasonal oscillations and synoptic-scale disturbances over the western North Pacific*

**Pang-chi Hsu** and T. Li

*A comprehensive assessment of CFS hindcast skills*

**K.P. Sooraj**, H. Annamalai, A. Kumar and H. Wang

*Climate and clouds in Hawaiian Region, preliminary simulations from WRF-ARW*

**Chunxi Zhang**

*Sea surface temperature thresholds for convection: Variability and possible change*

**Nat Johnson** and S.-P. Xie

*Semiannual wind variability in the equatorial Indian Ocean*

**Tomomichi Ogata** and S.-P. Xie

*Explosive volcanism recharges equatorial region heat content*

**Shayne McGregor** and A. Timmermann

*Subtropical countercurrents in the South Indian Ocean*

**Ryo Furue**

*Variational interpolation of Argo data onto isopycnal surfaces*

**Konstantin Lebedev**

*Dynamics of interannual variability in the Meiyu-Baiu precipitation*

**Yu Kosaka** and S.-P. Xie