Global Research Laboratory (GRL) Korea-US joint workshop on Global Monsoon Variability and Change
January 09-10, 2012
POST 414, University of Hawaii at Manoa, Honolulu USA

Monday January 09, 2012

9:00 - 9:20 WELCOMING AND OPENING REMARKS
   Kevin Hamilton, University of Hawaii/ IPRC, USA
   Bin Wang, University of Hawaii/ IPRC, USA
   Jong-Ghap Jhun, Seoul National University, Korea
   Kyung-Ja Ha, Pusan National University, Korea
   Kyong-Hwan Seo, Pusan National University, Korea

SESSION 1 Keynote Presentations (Chair: June-Yi Lee)

9:20 – 9:40 Bin Wang, UH/IPRC, USA: Recent Changes in the Global Monsoon Precipitation
9:40 – 10:00 Kyung-Ja Ha, PNU, Korea: Northward propagating ISO over the East Asia summer monsoon region and an association with ENSO
10:00 – 10:20 Jong-Ghap Jhun, SNU, Korea: Interannual and interdecadal components in the East Asian winter monsoon

10:40 – 11:00 Opening Ceremony for GRL and Picture

SESSION 2 Subseasonal Variability and Predictability (Chair: Kyung-Sook Yun)

11:00 – 11:20 Sun-Seon Lee, PNU, Korea: Role of the Tibetan Plateau and Hadley circulation on storm track activity
11:20 – 11:40 Ki-Young Heo, PNU, Korea: Interdecadal Change in Pacific Storm Track Activity and Its Possible Causes
11:40 – 12:00 Seok-Woo Son, Mcgill Univ., Canada: Evaluation of Northern Hemisphere Blocking Climatology in the Global Environmental Multiscale (GEM) model

12:00 – 13:30 LUNCH
SESSION 2 Continue (Chair: Kazuyoshi Kikuchi)

13:50 – 14:10 Xiouhua Fu, UH/IPRC, USA: Intraseasonal forecasting of monsoon and tropical cyclones
14:10 – 14:30 Nat Johnson, UH/IPRC, USA: Toward a framework for incorporating MJO and ENSO information into probabilistic long-range forecasts
14:30 – 14:50 Pallay Ray, UH/IPRC, USA: Role of the Mean State on the MJO Initiation in a High Resolution Nested Regional Climate Model
14:50 – 15:10 Fei Liu, UH/IPRC: A frictional Multi-Scale Skeleton Model for the MJO

15:10 – 15:30 Coffee Break

SESSION 2 Continue (Chair: Sun-Seon Lee)
15:30 – 15:50 Weidong Yu, SOA, China: Structures and Mechanisms of the First-Branch Northward-propagating Intraseasonal Oscillation over the Tropical Indian Ocean
15:50 – 16:10 Ja-Yeon Moon, UH/IPRC, USA: Teleconnections associated with Northern Hemisphere Summer Monsoon Intraseasonal Oscillation
16:10 – 16:30 Kazuyoshi Kikuchi, UH/IPRC, USA: The relationship between TC genesis and ISO
16:30 – 16:50 Hiroshi Taniguchi, UH/IPRC, USA: Global Statistics of MJO and its Relationship to Tropical Cyclone in Athena Project
16:50 – 17:10 Yumi Choi, PNU, Korea: Effects of SST Gradient on Tropical Cyclone Motion

Tuesday January 10, 2012

SESSION 3: Global Monsoon Variability and Change (CHAIR: Ki-Young Heo)
09:00 – 09:20 Ye-Won Seo, PNU, Korea: Global Monsoon Perspective on the WNPSH Variability
09:20 – 09:40 Eun-Jeong Lee, PNU, Korea: Interannual and Interdecadal Variability of Global Monsoon Precipitation and Hydrologic Cycle
09:40 – 10:00 Yu Kosaka, UH/IPRC, USA: Limitations of Seasonal Predictability for Summer Climate over East Asia and the Western North Pacific

10:00 – 10:30 Coffee Break

SESSION 3: Continue (CHAIR: Ja-Yeon Moon)
10:30 – 10:50 H. Annamalai, UH/IPRC, USA: TBC
10:50 – 11:10 Alejandro Ludert, UH, USA: Variability and Predictability of the South American Monsoon
11:10 – 11:30 Hye-Jin Ryu, Haegang High School, Korea (PNU TAG Institute): On Global Dimming Experiment
11:30 – 11:50 Pang-Chi Hsu, UH/IPRC, USA: Changes in Global Monsoon Precipitation under Global Warming

11:50 – 13:30 LUNCH

SESSION 4 Possible Sources of the WNP-EA Climate Variability (Chair: Baoqiang Xiang)

13:30 – 13:50 Baoqiang Xiang, UH/IPRC, USA: Predominance of the Central Pacific Warming after the late 1990s’
13:30 – 13:50 Jong-Seong Kug, KORDI, Korea: Impact of Artic Warming on Extratropical Climate Variation
13:50 – 14:10 Mi-Kyung Sung, Yonsei Univ, Korea: Phase Asymmetric Downstream Development of the NAO and its Impact on the East Asian Winter Monsoon
14:10 – 14:30 Kyung-Sook Yun, PNU, Korea: The Role of Extratropical Circulations on the Monsoon-ENSO Interaction
14:30 – 14:50 Jung-Eun Chu, PNU, Korea: Dominant Interannual to Interdecadal Variability of Indian Ocean SST and its Relationship with Asian Summer Climate

14:50 – 15:10 Coffee Break

SESSION 5 Discussion (Chair: Bin Wang and Kyung-Ja Ha)
15:10 – 17:00: Discussion on collaboration between IPRC and PNU

18:00 – 20:00 Banquet at Longhi’s