

**APEC Climate Symposium 2011**

**Monday October 17, 2011**

**Keoni Auditorium**

<b>8:00-9:00</b>	<b>Registration</b>	
<b>9:00-09:25</b>	<b>Opening Ceremony</b>	
9:00-9:05	Opening Remarks	Dr. Chin-Seung Chung (APCC/Korea)
9:05-9:10	Opening Remarks	Prof. Kevin Hamilton (IPRC/USA)
9:10-9:15	Congratulatory Address	Lt. Gov. Brian Schatz (Government of Hawaii/USA)
9:15-9:20	Congratulatory Address	Brian Taylor (UH/USA)
9:20-9:25	Congratulatory Address	Prof. Jagadish Shukla (APCC SAC)
9:25-9:35	(picture taking)	
<b>9:35-9:55</b>	<b>Coffee Break</b>	
<b>9:55-12:00</b>	<b>Session I</b>	<b>Keynote Presentations</b> <b>Chair: Dr. Vladimir Kattsov</b> <b>Rapporteur: Dr. Yukio Masumoto and Dr. James Renwick</b>
9:55-10:20	Adaptation to Climate Change: A Rich and Timely Agenda	Dean Rosina Bierbaum (University of Michigan/USA)
10:20-10:45	Prospects for Continental Scale Decadal Prediction	Prof. Jagadish Shukla (GMU,IGES/USA)
10:45-11:10	Attempts of Cloud Microphysics in a GCM	Prof. In-Sik Kang (SNU/Korea)
11:10-11:35	The Pulse of the Western North Pacific Subtropical High	Prof. Bin Wang (IPRC/USA)
11:35-12:00	Engaging Decision-makers in Climate Predictions for Agriculture, Water Resource Management and Energy	Mr. Neil Plummer (BOM/Australia)
<b>12:00-13:30</b>	<b>Lunch hosted by U.S.-Korea Workshop</b>	

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<b>13:30-18:00</b>	<b>Session II</b>	<b>Updates on Climate Prediction Systems of the Asia-Pacific</b> <b>Chair: Dr. Antonio Navarra and Prof. Yihui Ding</b> <b>Rapporteurs: Dr. Flaviana Hilario and Dr. Hyun-Kyung Kim</b>
13:30-13:45	The new POAMA2 seasonal and multi-week system	Dr. Oscar Alves (BOM/Australia)
13:45-14:00	Recent Implementation of the NCEP Climate Forecast System Version 2	Dr. Jae-Kyung Schemm (NOAA/USA)
14:00-14:15	An update on experimental climate prediction and analysis products being developed at NASA's Global Modeling and Assimilation Office	Dr. Siegfried Schubert (NASA/USA)
14:15-14:30	Performance of CWB-CFSv1 during 2010 and the Development Status of CWB-CFSv2	Dr. Jyh-Wen Hwu (CWB/Chinese Taipei)

14:30-14:45	On the development of SLAV model and interpretation of daily time series of seasonal forecasts	Dr. Dmitry Kiktev (HMC/Russia)
14:45-15:00	<b>Coffee Break</b>	
15:00-15:15	Recent changes to the IRI Net Assessment	Dr. Michael Tippett (IRI/USA)
15:15-15:30	Outline of operational seasonal forecast model in JMA and the JRA-55 Reanalysis	Dr. Kazutoshi Onogi (JMA/Japan)
15:30-15:45	Two monsoon indices and their relationship to seasonal rainfall predictability in Viet Nam	Mr. Nguyen Dang Quang (NCMWF/Viet Nam)
15:45-16:00	The new Canadian coupled multi-seasonal forecasting system	Dr. Bertrand Denis (MSC/Canada)
16:00-16:15	Assessing the Seasonal Predictability of Summer Precipitation over the Huaihe river basin with Multiple APCC models	Dr. Zhaohui Lin (IAP/China)
16:15-16:30	<b>Coffee Break</b>	
16:30-16:45	Linkage of the lagged winter stratospheric circulation anomalies to leading ENSO forcing	Dr. Rongcai Ren (IAP/China)
16:45-17:00	Is the Use of Coupled Global Climate Models Perdurable for Prediction of Indian Summer Monsoon?	Dr. Prabodha Kumar Pradhan (APCC/Korea)
17:00-17:15	Development of a Downscaling Method in China Regional Summer Precipitation Prediction	Dr. Lijuan Chen (CMA/China)
17:15-17:30	Changes in East Asian Winter Monsoon due to the effect of the ENSO-PDO Interaction	Mr. Ji-Won Kim (APCC/Korea)
17:30-17:45	Self-Organizing Maps – An alternative method for studying climate variability	Dr. Saji Hameed (University of Aizu/Japan)
17:45-18:00	Climate Prediction: Blessing or Curse?	Dr. Lorenz Maggaard (UH/USA)

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<b>Tuesday October 18, 2011</b>		<b>Keoni Auditorium</b>
<b>9:00-12:00</b>	<b>Session III</b>	<b>Climate Change and Interdecadal Climate Prediction</b> <b>Chair: Dr. H. Annamalai and Dr. Oscar Alves</b> <b>Rapporteurs: Dr. Michael Tippett and Dr. Jyh Wen Hwu</b>
9:00-9:15	Assessment of Macroeconomic Impacts of Climate Change over the Territory of Russian Federation until 2030 and Beyond	Dr. Vladimir Kattsov (MGO/Russia)
9:15-9:30	Climate Change Projections in the Philippines	Dr. Flaviana Hilario (PAGASA/Philippines)
9:30-9:45	Scenarios for Drought and Extreme Winds over New Zealand	Dr. James Renwick (NIWA/New Zealand)
9:45-10:00	The Latest Climate Change in Hong Kong	Mr. Sai-Ming Lee (HKO/Hong Kong China)
10:00-10:15	Regionalization of Future Projections on the High-Impact Weather and Climate Extremes over East Asia	Prof. Cheng-Ta Chen (NTNU/Chinese Taipei)
10:15-10:30	A Projection of Future Changes in Annual and Seasonal Extreme Temperature Events in the Asia-Pacific Region using AOGCMs	Dr. Ok-Yeon Kim (APCC/Korea)
<b>10:30-10:45</b>	<b>Coffee Break</b>	
10:45-11:00	A Projection of Future Changes in Summer Precipitation in and Monsoon in East Asia	Prof. Yihui Ding (CMA/China)
11:00-11:15	Understanding Monsoon Variability in a Changing Climate	Dr. H. Annamalai (IPRC/USA)
11:15-11:30	Dynamics of Regional Climate Change	Dr. Shang-Ping Xie (IPRC/USA)
11:30-11:45	Projected Changes of East Asian Summer Monsoon in IAP coupled model FLOGALS2-s	Dr. Qing Bao (IAP/China)
11:45-12:00	Projected Future Changes of the Global Monsoon and Pacific Tropical Cyclone Activity	Dr. Tim Li (IPRC/USA)
<b>12:00-13:30</b>	<b>Lunch (on your own)</b>	
<b>APEC Climate Symposium 2011</b>		
<b>Tuesday October 18, 2011</b>		<b>TBC and Mandarin, Pago Pago and Washington rooms</b>
<b>13:30-18:00</b>	<b>Session IV (Parallel Session)</b>	<b>Climate and Agriculture Workshop: The Climate Risk Management Game</b> <b>Facilitator: Prof. Holger Meinke (University of Tasmania/ Australia)</b> <b>Co-facilitators: Dr. Melissa Finucane (East West Center/USA), Dr. Alberto Troccoli (CSIRO/Australia), Dr. Robert Field (NASA GISS/USA)</b> <b>Rapporteurs: Dr. Bertrand Denis and Ms. Lam Vu Thanh Noi</b>
13:30-15:15	Climate risk management game (Part I: Introduction and group discussion)	
15:15-15:30	<b>Coffee break</b>	

15:30-16:45	Climate risk management game (Part II: Role playing and discussion)	
(Poster)	Forecasting the Number of Dry Days for the Benefit of Farmers and Rice Production in the Philippines: A preliminary analysis	Ms. Ana Liza Solmoro Solis (ANU/Australia)
(Poster)	Socio-economic Impact of Climate Change on Rice Production in Southern India and Assessing Uncertainties in Regional Climate Model Projections	Dr. S. Senthilnathan (IPRC/USA)
(Poster)	HyBMG a Statistical PC-Based Climate Model Bridging a Gap between High Technologies Required - Providing High Resolution Climate Prediction in Sub Provinces Scales	Mr. Fierra Setyawan (BMKG/Indonesia)
(Poster)	Improving Livelihood of Farmer through Climate Field School by Utilizing Climate Information	Ms. Indah Budiani (Climate Change Trust Fund/Indonesia)
(Poster)	The need for a fire and haze early warning system for equatorial Southeast Asia	Dr. Robert Field (NASA GISS/USA)
(Poster)	Dry Period Analysis for Determination of Dry Season in the District of Indramayu West Java Indonesia	Mr. Antoyo Setyadipratikto (BMKG/Indonesia)
(Poster)	Vulnerability and Adaptive Capacity to Climate Change of the Guagua and Candaba Communities in Central Luzon, Philippines	Dr. Rogelio Cosio (Pampanga Agricultural College/Philippines)
16:45-17:30	Discussion and Wrap Up	
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<b>Tuesday October 18, 2011</b>		<b>Keoni Auditorium</b>
<b>13:30-18:00</b>	<b>Session V (Parallel Session)</b>	<b>Climate Variability and Change and US-Korea Workshop on Use of High Resolution Model for ISI Prediction of Extreme Events and Its Regional Impacts</b>  <b>Chair: Dr. Emilia Jin and Dr. Siegfried Schubert</b>  <b>Rapporteur: Dr. Jong-Seong Kug and Dr. Yoo-Geun Ham</b>
13:30-13:45	US-Korea Workshop Overview	Dr. Emilia Jin (NGMDC/Korea, GMU/USA)
13:45-14:00	High Resolution Tropical Cyclone Forecasting using NCEP Operational HWRF	Dr. Vijay Tallapragada (NCEP/USA)
14:00-14:15	Tropical Storm Simulations Using a High-Resolution GCM	Dr. Myong-In Lee (UNIST/Korea)
14:15-14:30	The Role of Horizontal Resolution in Simulating Tropical Cyclone Activity with the ECMWF Integrated Forecast System	Dr. Julia Maganello (COLA/USA)
14:30-14:45	High-resolution NASA GEOS5 model for simulating mean and extreme climate characteristics	Dr. Young-Kwon Lim (NASA/USA)
14:45-15:00	Improvement of seasonal forecasts with inclusion of tropical instability waves on initial conditions	Dr. Yoo-Geun Ham (NASA/USA)

15:00-15:15	Discussion : Moderated by Prof. Shukla	
15:15-15:30	<b>Coffee Break</b>	
15:30-15:45	Experimental Intraseasonal Forecasting of Monsoon and Tropical Cyclones	Dr. Xiouhua Fu (IPRC/USA)
15:45-16:00	Relationship between the Meiyu over the Yangtze-Huaihe River Basins and the Frequencies of Tropical Cyclone Genesis in the Western North Pacific	Dr. Yanju Liu (CMA/China)
16:00-16:15	Multi-model Ensemble Coupled Prediction for Monsoon Precipitation (Mean State and Intraseasonal to Seasonal Prediction)	Dr. June-Yi Lee (IPRC/USA)
16:15-16:30	MISR cloud/aerosol and their variability through ENSO	Dr. Jae N. Lee (NASA JPL/USA)
16:30-16:45	A long consistent surface wind dataset for climate change analysis: Application over the Tropical Indo-Pacific	Dr. Hiroki Tokinaga (IPRC/USA)
16:45-17:00	Causes of global precipitation change over the Last Millennium	Prof. Jian Liu (CAS/China)
17:00-17:15	Future Climate Change in Hawaii	Dr. Oliver Elison Timm (IPRC/UH)
17:15-17:30	Discussion and Wrap Up	

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<b>9:00-12:00</b>	<b>Session VI</b>	<b>Climate and Water Resource Management Workshop</b> <b>Facilitator: Mr. Mark Svoboda (NCDM/USA)</b> <b>Rapporteur: Ms. Analiza Solis and Mr. Sai-Ming Lee</b>
9:00-9:30	Decision Support for Drought Risk Management: Focus on the Future	Mr. Mark Svoboda (NCDM/USA)
9:30-9:45	Seasonal Streamflow Forecasts: Assisting decision-making in water resource management	Mr. Neil Plummer (BOM/Australia)
9:45-10:00	Challenges for Projecting Future Climate Change Impacts on Water Resources in Hawai'i	Prof. Thomas Giambelluca (UH/USA)
10:00-10:15	Adaptation Practices of Urban Water Infrastructure Management	Prof. Hee-Kyung Park (KAIST/Korea)
<b>10:15-10:30</b>	<b>Coffee Break</b>	
10:30-10:45	Assessment of Vulnerabilities to Climate Change for Water and Wastewater Infrastructure Management in Viet Nam: A Case Study of Ho Chi Minh City	Ms. Lam Vu Thanh Noi (AIT/Thailand)
10:45-11:00	Vulnerability of Water Resource to El Nino Southern Oscillation (ENSO) in the Philippines: The 2007-2008 La Nina and 2009-2010 El Nino Impacts on Angat Dam	Ms. Daisy Ortega (PAGASA/Philippines)
11:00-11:15	Implications of Climate Change for Water Resources Management in Bangladesh: Challenges of Legal and Institutional Reforms	Mr. Mostafa Mahmud Naser (Macquarie Law School/Australia)
11:15-12:00	Discussion	
<b>12:00-13:30</b>	<b>Lunch (on your own)</b>	

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<b>13:30-16:00</b>	<b>Session VII</b>	<b>Climate and Energy Workshop</b> <b>Facilitator: Dr. Alberto Troccoli (CSIRO/Australia)</b> <b>Rapporteur: Dr. Kazutoshi Onogi and Mr. Kwan Kok Foo</b>
13:30-13:50	Weather and climate impacts on energy planning, operations & maintenance	Dr. Alberto Troccoli (CSIRO/Australia)
13:50-14:10	The Importance of Climate Data for Energy Efficiency Investments	Dr. Ines Azevedo (CMU/USA)
14:10-15:10	Brainstorming session to : <ul style="list-style-type: none"> <li>• identify vulnerabilities of the energy sector to weather events, and</li> <li>• identify impediments to the use of weather and climate information for the energy sector</li> </ul>	
15:10-16:00	Case study discussion to explore the use of climate information in a practical context	

16:00-16:15	<b>Coffee break</b>	
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16:15-17:00	<b>Session VIII</b>	<p>Culminating Session: Crafting the climate science community's response to present challenges</p> <p><b>Co-Chairs: Prof. Jagadish Shukla and Prof. Holger Meinke</b></p> <p>Panel and open discussion with Dr. Vladimir Kattsov, Dr. James Renwick, Dr. Alberto Troccoli, Mr. Mark Svoboda, Dr. Melissa Finucane</p>

	<b>Working Meetings</b>	
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