Program for the 42nd Annual Climate Diagnostics and Prediction Workshop

Norman, Oklahoma, October 23-26, 2017

Tuesday, October 24, 2017

5:30-7:30pm **Poster Session**

Recent Events

The Philippines' Impacts of and Responses to 2015-2016 El Niño, Ms. Edna L. Juanillo, Ana Liza S. Solis and Joseph Basconcillo, Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)

Understanding long-lead ENSO predictions within the framework of recent ENSO events, Boniface Fosu, S.-Y. Simon Wang, Utah State University

The Atmospheric and Ocean conditions during the 2017 Summer of the Southern Hemisphere: Climate Catastrophe over the coast of Peru, Guillermo F Almeyda, Tax Service & Atmopsheric Research

Subseasonal-to-seasonal (S2S) Hazards

Using An Improved Procedure of Generating Initial Conditions for Multi-Week MJO Hindcast During DYNAMO Period, Meng-Pai Hung, Chinese Culture University, Taipei, Taiwan, Chien-Ming Wu, Wei-Ting (Anne) Chen, National Taiwan University, Shih-Hao Su, Chinese Culture University, Hsi-Yen Ma, Lawrence Livermore National Laboratory, Livermore, CA

Improving Multimodel Medium Range Forecasts over the Greater Horn of Africa Using the FSU Superensemble, Oliver Kipkogei, Intergovernmental Authority on Development (IGAD) Climate Prediction and Application Centre

An analysis on possible connection of spread and ensemble mean of seasonal mean ENSO SSTs in NMME Hindcasts, Bhaskar Jha and Arun Kumar, NOAA CPC

Application of a Hybrid Dynamicall-Statistical Model of Week 1 to 4 Forecasts of Tropical Cyclone Activity in the Northern Hemisphere, Christina Finan, Innovim/NOAA CPC

The Dominant Modes of Anomalous Precipitation over Eastern China during the Heavy Rainy Season of South China and Possible Causes, QingYun Zhang, Institute of Atmospheric Physics, Chinese Academy of Sciences

Influence of Seasonal and Subseasonal Variability on Extreme Rainfall in California, Kristine Chen, Samuel Lillo, David Parsons, Veronica Falls, School of Meteorology, University of Oklahoma

Developing a Framework for Seamless Prediction of Sub-Seasonal Extreme Precipitation Events in the United States, Derek Rosendahl, South Central Climate Science Center, University of Oklahoma

Application of NMME seasonal forecasts to Alaska fire potential using Canadian Forest Fire Indices with Quantile Mapping bias corrections, Akila Sampath, University of Alaska Fairbanks

The Role of the Subtropical North Atlantic Water Cycle in Recent US Extreme Precipitation Events, Laifang Li, Raymond W. Schmitt, Caroline C. Ummenhofer, Duke University/ Woods Hole Oceanographic Institution

Drought/Pluvial

The 2014/15 snowpack drought in Washington state and its climate forcing, Boniface O. Fosu, Shih-Yu Wang, Utah State University

Examining the Evaporative Stress Index as an Indicator for Flash Drought Across the United States Using the North American Regional Reanalysis, Jordan I. Christian, University of Oklahoma

Drought characteristics in two agro-climatic zones in Sub-sahara Africa, Ayansina Ayanlade, Department of Geography, Obafemi Awolowo University, Nigeria.

Probabilistic drought forecasts based on the Northern American Multi-Model Ensemble (NMME), Li Xu and Kingtse Mo, NOAA CPC/Innovim

High Latitude

Seasonal Arctic sea ice in the North American Multimodel Ensemble, Kirstin Harnos, Michelle L'Heureux, Qin Zhang, and Qinghua Ding, NOAA Climate Prediction Center and Innovim LLC

Development of statistical model for seasonal prediction of boreal wintertime temperature over the Korean Peninsula, Sungho Woo, Seongeun Lee, Soyoung Yim, and Dongjun Kim, APEC Climate Center, Korea Meteorological Administration

The central role of Greenland blocking on the unusually early 2013 melt of Baffin Bay ice cover, Thomas J Ballinger, Department of Geography, Texas State University

Multi-week prediction skill assessment of Arctic sea ice variability in the CFSv2, Yanyun Liu, Wanqiu Wang, Arun Kumar, NOAA CPC

Multi-scale prediction with CESM-CAM-MPAS, Nicholas Szapiro, University of Oklahoma

Climate Services

Different Flavors of Normals: Accounting for ENSO and Climate Change , Carl Schreck, CICS-NC, North Carolina State University

Examining the stationarity assumption for statistically downscaled climate projections of precipitation, Adrienne Wootten, South Central Climate Science Center

The need for a robust aviation impact variable climatological database, Casey Crosbie, NWS/FAA

Evaluating the performance of numerical ENSO forecasts for June-August 2017 and discussing various market-moving impacts, Thomas Walsh and Isaac Hankes, Thomson Reuters

Evaluation of a Regional NMME Climate Forecast Tool for Application to Seasonal Hydrologic Prediction in the Great Lakes Basin, Deanna Apps, United States Army Corps of Engineers

Tracking Progress on NOAA's MAPP-CTB Projects: Accelerating Transition of Research Advances into Improved Operational Capabilities, Jiayu Zhou, NWS/OSTI, and David DeWitt, NOAA CPC

Other Topics

Impact of high vertical resolution in an oceanic general circulation model on sea surface temperature simulation, Ying Zhang, Wanqiu Wang, Arun Kumar, NOAA CPC, ESSIC/UMD

Empirical teleconnection-based standards for U.S. temperature and precipitation predictability at Weeks 3 and 4, Daniel Harnos, Laura Ciasto, Nathaniel Johnson, Michelle L'Heureux, Cristiana Stan, Adam Allgood. NOAA CPC

Investigating the Potential for Seasonal Snowfall Forecasts at CPC, Stephen Baxter, NOAA CPC

Toward an ENSO Index for a Changing Climate, John W. Nielsen-Gammon and Scott Meyer, Texas A&M University

Extratropical-tropical Interactions over Ethiopia, Endalkachew Bekele and Wassila Thiaw, UCAR and NOAA/CPC

Developing a probabilistic seasonal forecast tool based on NMME, Mingyue Chen, Arun Kumar, and David DeWitt, NOAA CPC

Benchmark statistical model for seasonal prediction of temperature and precipitation, Daniel Barandiaran and Stephen Baxter, NOAA CPC and INNOVIM

Seasonal prediction of North American temperature and precipitation using the Calibration, Bridging, and Merging (CBaM) method , Sarah Strazzo, NOAA CPC/IMSG

Progress on the Subseasonal Experiment (SubX) Forecasting Weeks 3-4, Emerson LaJoie and Dan Collins, NOAA CPC/IMSG