

## Program for the 42<sup>nd</sup> Annual Climate Diagnostics and Prediction Workshop

Norman, Oklahoma, October 23-26, 2017

Tuesday, October 24, 2017

5:30-7:30pm Poster Session

### **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

*Application of a Hybrid Dynamical-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

[\*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 Kingse Mo, NOAA CPC/Innovim

### **High Latitude**

*Development of statistical model for seasonal prediction of boreal wintertime temperature over the Korean Peninsula*, Sungho Woo, Seongeun Lee, Soyoun 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

*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