

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

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. Ummerhofer, 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