

AMS 2017 National ESPC and NGGPS Related Talks and Posters

Time	Location	Title	Author(s)
Monday			
11:00 AM-12:00 PM	Chelan 2	Simulating the MJO	Xianan Jiang Daehyun Kim Tamaki Suematsu Stephanie Rushley
11:00-11:30 AM	Tahoma 4	Numerical Weather Prediction at the Met Office	Dale Barker
11:30 AM-12:00 PM	Tahoma 4	Planned Upgrades to the NCEP Operational Modeling Suite	Bill Lapenta
12:15-1:15 PM	605	Town Hall: Next Generation Earth System Prediction - Strategies for S2S Forecasting	Ray Ban
1:30-2:30 PM	Tahoma 4	Modeling Centers Overviews	Tim Hewson Ralph Stoffler James Hansen
2:15-2:30 PM	Chelan 2	Effects of Atmosphere-Ocean Coupling on MJO Eastward Propagation	Ajda Savarin
2:30-4:00 PM	4E	Climate Variability and Change	Posters 40-81
2:30-4:00 PM	4E	WAF/NWP: Weather Phenomena, Observations, and Forecasting	Posters 82-164
2:30-4:00 PM	4E	Large-Scale and Convective Characteristics of the ITCZ and MJO Initiation Over the IO	Rachel Sodowsky - 327
2:30-4:00 PM	4E	Investigating Model Bias and Its Impact on MJO Hindcast Skill in the NASA GEOS-5 AGCM	Hailan Wang -333
2:30-4:00 PM	4E	Examining the Predictability of the Dual-MJO Events of November 2011 Using Coupled 30-day NAVGEM and COAMPS Simulations	William Komaromi - 335
2:30-4:00 PM	4E	Moisture Mode Processes and MJO Predictability in Coupled NAVGEM/HYCOM Hindcasts	Matthew Adam Janiga - 342
4:00-4:15 PM	Tahoma 4	Next Generation NWP Using a Spectral Element Dynamical Core	James Doyle
4:45-5:00 PM	Tahoma 4	Mesoscale Modeling Development at the National Centers for Environmental Prediction : Version 4 of the NAM Forecast System and Scenarios for the Evolution to a High-Resolution Ensemble Forecast System	Eric Rogers
5:15-5:30 PM	Tahoma 4	U.S. Numerical Weather Prediction: A Report Card	Cliff Mass

Tuesday

8:30-10:00 AM	605	Advances in Climate Modeling and Prediction	Sungduk Yu Allison Michaelis Naomi Goldenson Ahmed Tawfik Bidyut Goswami L. Ruby Leung
8:45-9:00 AM	612	R2O via The Joint Hurricane Testbed	Shirley T. Murillo
9:00-9:15 AM	612	The Hurricane Forecast Improvement Project: Advancements Made in Recent Operational Implementations	Fred Toepfer
10:30-10:45 AM	Tahoma 4	The Next Generation Global Prediction System with the FV3	S. -J. Lin
10:30-10:45 AM	602	Uncertainty in Downscaling Across a Continuum of Methods	Ethan Gutmann
12:15-1:15	613	NOAA Modeling Development Forum	Hendrik Tolman/Mike Farrar
2:30-4:00 PM	4E	Climate Variability and Change	Posters 483-549
4:00 PM	Tahoma 4	Selecting the Next Generation Global Prediction System Atmospheric Dynamical Core for NOAA	John Michalakes
4:30-4:45 PM	Tahoma 4	Verification of the National Blend of Models	David Ruth
5:30-6:30	609	Town Hall: NASA Research	
6:00-8:00 PM	608	Town Hall: USAF Modeling	

Wednesday

8:00-10:00 AM	Skagit 5	Atmospheric Predictability	Kerry Emanuel Lance F. Bosart Ming Xue Jonathan A. Weyn Fuqing Zhang
8:30-8:45 AM	Tahoma 4	Expanding Probabilistic Precipitation Services	David R. Novak
8:45-9:00 AM	Tahoma 4	Twenty-five years of ensemble prediction at ECMWF	Roberto Buizza
10:30-10:45 AM	Yakima 2	An Evaluation of the Use of Satellite-Derived Winds in NAVGEM	Patricia M. Pauley

10:30 AM-12:00 PM	Tahoma 4	New Ensemble Techniques	Thomas M. Hamill Brian C. Ancell Minghua Zheng Jeffrey D. Duda Robert L. Buckley Soner Yorgun
10:30 AM	608	NOAA's Next Generation Global Prediction System: Program Developments / Updates	Ivanka Stajner
10:45 AM	608	NGGPS Dynamical Core Test Group Organization and Process	Tim Schneider
11:00-11:15 AM	Skagit 5	Sensitivity and Predictability of the Waveguide and High-Impact Extratropical Cyclones	James Doyle
11:15-11:30 AM	Skagit 5	Intrinsic Limit of Atmospheric Predictability for Mid-Latitude Jet/front Systems	Y. Qiang Sun
11:30-11:45 AM	Skagit 5	The Accuracy of Weather Predictions, from the Next Day to the Next Season—an Illustration from Australia	Harvey Stern
12:15-1:15 PM	605	Town Hall: Modeling in the Cloud	
1:30-1:45 PM	Chelan 2	NSF Vision, Strategy and Plans for Research Cyberinfrastructure	Irene Qualters
1:30-1:45 PM	605	Evaluation of the Eastward Propagating Convective Disturbances	Maria Flatau
1:30-2:30 PM	Skagit 5	Atmospheric Predictability	S.-J. Lin Carolyn A. Reynolds
1:45-2:00 PM	605	Contemporary Model Fidelity over the Maritime Continent: Examination of the Diurnal Cycle, Synoptic, Intraseasonal and Seasonal Variability	Dariusz B. Baranowski
2:00-2:15 PM	Chelan 2	A Historical Perspective on the Use of Accelerators for Weather Modelling (Invited Presentation)	Marc Cotnoir
2:00-2:15 PM	605	Process Oriented Diagnostics of Tropical Cyclones in Climate Models	Daehyun Kim
2:30-4:30 PM	4E	WAF/NWP Posters	Posters 1226-1321
2:30-4:00 PM	4E	Climate Variability and Change	Posters 1115-1160
2:30-4:00 PM	4E	NOAA's NGGPS and National ESPC	Poster 1232
4:00-5:30 PM	Tahoma 4	The National Earth System Prediction Capability Agenda for Subseasonal to Seasonal Prediction	Hendrik Tolman John Cortinas Dan Eleuterio Jim Richman Cecelia DeLuca

4:00 PM	Tahoma 4	NOAA Unified Global Coupled Modeling	Hendrik Tolman
4:00-5:30 PM	Skagit 1	Atmospheric Predictability	Chris Snyder Zoltan Toth Yue Ying Charles Jones Sharanya J. Majumdar
4:15 PM	3AB	Global Model Test Bed: Fostering Community Involvement in NOAA's Next-Generation Global Prediction System	Ligia Bernardet
Thursday			
8:00-9:30 AM	2AB	Weather Forecasting Challenges	Louis Uccellini Kerry Emanuel Tim D. Hewson David R. Novak Paul J. Roebber
8:30-9:00 AM	Skagit 1	Attributing Predictable Signals at Subseasonal Timescales	Warwick Norton
9:00-9:30 AM	Skagit 1	The Dilemma of Seasonal Monsoon Prediction	Peter Webster
10:30 AM-12:00 PM	Chelan 2	Challenges for Weather, Water and Climate Modeling at Exascale	Tiago Quintino Mark W. Govett John Michalakes Negin Sobhani Samuel J. Elliott
10:30 AM-12:00 PM	Skagit 1	Atmospheric Predictability	P. L. Houtekamer Judith Berner Prashant D. Sardeshmukh Aaron Johnson
11:00-11:15 AM	609	Sub-seasonal to Seasonal Predictability in the NMME	Ben Kirtman
11:30-11:45 AM	609	Prediction Skill of Madden-Julian Oscillation in the Subseasonal-to-Seasonal (S2S) Prediction Models and its Modulation by the Stratospheric Quasi-Biennial Oscillation	Yuna Lim
1:30-3:00 PM	605	Decadal Variability and Predictability	Ka-Kit Tung Gerald Meehl Lu Dong Yangyang Xu Gudrun Magnusdottir Sharon E. Nicholson
2:00-2:15 PM	2AB	The Role of Weather Processes in Arctic Warming	Sukyoung Lee
2:15-2:30 PM	2AB	Multi-scale Tropical-Extratropical Interactions Illuminated through Adjoint Studies	Carolyn Reynolds

2:30-2:45 PM	2AB	The Impacts of Recurring Tropical Cyclone on Extended-Range Predictability of Midlatitude Weather Patterns	Patrick A. Harr
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Other NGGPS related or referenced talks/posters:

313184 NGGPS: Operational Implementation Strategy for FV3 based Global Forecast System
 Tuesday, 24 January 2017 (Tallapragada)

 1.3 The Hurricane Forecast Improvement Project: Advancements Made in Recent Operational Implementations
 Tuesday, 24 January 2017: 9:00 AM

 5B.1 The Next Generation Global Prediction System with the FV3
 Tuesday, 24 January 2017: 10:30 AM (Lin)

Session 5B
 NOAA Next Generation Global Prediction System
 Host: 28th Conference on Weather Analysis and Forecasting / 24th Conference on Numerical Weather Prediction

 3.1 Towards a unified Prediction System from weather to climate scale (Invited Presentation)
 Wednesday, 25 January 2017: 1:30 PM (Lin)

 313081 Introduction to Next NCEP Global Ensemble Forecast System (GEFS)
 Wednesday, 25 January 2017 (Zhu)

 TJ11.6 Joint Effort for Data Assimilation Integration (JEDI) (Core Science Keynote)
 Tuesday, 24 January 2017: 5:15 PM (Auligné)

 313585 Development and Evaluation of NEMS GFS for 2017 Implementation
 Wednesday, 25 January 2017 (Yang)

 5B.4 Tropical Cyclone Forecasts in a Next Generation Global Model
 Tuesday, 24 January 2017: 11:15 AM (Chen)

 312589 Implementation and Analyzing the Grell-Freitas Convective Parameterization in The NOAA Environmental Modeling System-Based Global Spectral Model
 Tuesday, 24 January 2017 (Jiang)

 1.1 NOAA Testbeds and Proving Grounds: Enhancing Effective Transition of Research to NOAA Applications/Operations
 Tuesday, 24 January 2017: 8:30 AM (Davidson)

 306458 Towards the creation of the Global-2-Vortex Scale Hurricane Prediction System
 Tuesday, 24 January 2017 (Gopalakrishnan)

 J8.4 15-day hindcast experiments with the uncoupled CICE ice model
 Thursday, 26 January 2017: 11:15 AM (Sun)

 6.4 Simplifying the R2O Process through Unified Verification

Thursday, 26 January 2017: 9:15 AM (Jensen)

6A.1 Bringing It All Together: A Prototype for a Probabilistic National Blend of Models

Tuesday, 24 January 2017: 1:30 PM (Toth)

9.5 WSR-88D Radar Data and NLDN Lightning Data Assimilation at NCEP

Wednesday, 25 January 2017: 11:30 AM (Shun Liu)