

2018 Southwest Extreme Precipitation Symposium (swepsym.org)

Theme: *Southwest US Droughts and Floods: Past Events and Future Changes*

March 29, 2018 at Scripps Seaside Forum, Scripps Institution of Oceanography, UCSD

PRELIMINARY AGENDA

Time	Title	Speakers
7:45 – 8:30	Check-in and Continental Breakfast	
8:30 – 8:45	Welcome Remarks	Gary Estes, Floodplain Management Association Marty Ralph, Center for Western Weather and Water Extremes
Session No. 1: Droughts		
8:45 – 9:15	Recent Developments in Understanding the Meteorological Origins of Extreme Precipitation in Southwestern US	Marty Ralph, Ph.D., Director Center for Western Weather and Water Extremes Scripps Institution of Oceanography, UC San Diego
9:15 – 9:45	Mechanisms and Impacts of Recent California Drought 2011-2016	Amanda Sheffield, Ph.D., Regional Drought Information Coordinator National Integrated Drought Inform. System, NOAA
9:45 – 10:15	Lake Sediments Reveal Southern California's Long History of Droughts, Pluvials, and Floods	Matthew Kirby, Ph.D. Professor, Dept. of Geological Sciences CA State University, Fullerton
10:15 – 10:35	<i>BREAK</i>	
10:35 – 11:05	Atmospheric Rivers—Drought Busters, Flood Generators & the Very Stuff of Life in the Southwest	Michael Dettinger, Ph.D., Research Hydrologist Branch of Western Regional Research US Geological Survey, Carson City, NV
11:05 – 11:35	Better Precipitation Forecasting, Better Colorado River Basin Drought Contingency Planning	Jeanine Jones Interstate Resources Manager California Dept. of Water Resources, Sacramento
11:35 – 12:05	Speaker Panel Discussion #1: Drought History, Expected Changes, and Adaptation Strategies Moderator: Maryam Asgari-Lamjiri, 4 th -year Ph.D. student, Climate Sciences and Center for Western Weather and Water Extremes, Scripps Institution of Oceanography, UC San Diego	
12:05 – 1:05	<i>LUNCH</i>	
Session No. 2: Floods		
1:05 – 2:35	The More Extreme Nature of North American Monsoon Precipitation in the Southwestern United States	Chris Castro, Ph.D., Associate Professor Dept. of Hydrology and Atmospheric Sciences University of Arizona, Tucson
1:35 – 2:05	Assessing Arid Area Extreme Precipitation Using Doppler Radar and Rain Gages	Ted Hromadka, II, Ph.D., P.E., Professor Dept. of Mathematical Sciences US Military Academy, West Point, NY Prasada Rao, Ph.D., Professor Civil and Environmental Engineering Dept. California State University, Fullerton
2:05 – 2:35	Staying Ahead of Risk: Adapting to a Changing World	Bo Svoma, Ph.D., Staff Scientist/Meteorologist Surface Water Resources, Salt River Project, Tempe, AZ

2:35 – 2:55	<i>BREAK</i>	
2:55 – 3:25	The Increasingly Robust Evidence for Increasing Precipitation Extremes in California	Alex Hall, Ph.D., Professor Dept. Atmospheric and Oceanic Sciences, University of California, Los Angeles
3:25 – 3:55	Informational Needs for Long-Term Water Resource Management Planning	Michael Anderson, Ph.D., P.E. State Climatologist, California Dept. of Water Resources, Sacramento
3:55 – 4:25	Speaker Panel Discussion #2: Flood History, Expected Changes, and Adaptation Strategies Moderator: Dave Curtis, Ph.D., F.EWRI, Vice President, WEST Consultants, Folsom, CA	
4:25 – 4:30	<i>SYMPOSIUM FEEDBACK</i>	
4:30 – 6:30	<i>RECEPTION and POSTER SESSION</i>	