



2019 California Extreme Precipitation Symposium



Theme:

The Impacts of Global Warming on California: A 30-Year Retrospective and Future Projections

Tuesday, June 25, 2019 at ARC Conference Center, UC Davis

Preliminary Agenda

Time	Title	Speaker
7:45 – 8:30	<i>CHECK-IN AND CONTINENTAL BREAKFAST</i>	
8:30 – 8:50	<p>Welcome</p> <p>Special Recognition Award presented to: Timothy N. Washburn Director of Planning (retired) Sacramento Area Flood Control Agency</p>	<p><i>Gary Estes</i>, Symposium Coordinator <i>Adele Igel, Ph.D.</i>, Assistant Professor, Atmospheric Science, UC Davis</p> <p><i>Rob Hartman</i>, Hydrologist-in-Charge (retired) CA-NV River Forecast Center National Weather Service, Sacramento</p>
Morning Session: Climate Modeling Advances and Global Warming Impacts on Droughts		
8:50 – 9:20	Climate Projections for California: What We Knew Then (1989), What We Know Now (2019)	<i>Susan Fischer Wilhelm, Ph.D., M.S.E.</i> Team Lead of Energy-Related Environmental Research, California Energy Commission Sacramento
9:20 – 9:50	Past and Current State of Modeling and Downscaling California's Climate	<i>Paul A. Ullrich, Ph.D.</i> Associate Professor of Regional and Global Climate Modeling, Atmospheric Science UC Davis
9:50 – 10:20	Drivers of Large Wildfire Occurrence in Northern California	<i>Brandon M. Collins, Ph.D.</i> Research Scientist, Center for Fire Research and Outreach, UC Berkeley
10:20 – 10:40	BREAK	
10:40 – 11:10	Drought, Warming, and Environmental Flows: Implications for Native Aquatic Species	<i>Julie Zimmerman, Ph.D.</i> Lead Scientist, Freshwater The Nature Conservancy, Sacramento
11:10 – 11:40	Climate Change Trends and Impacts on California's Agricultural Sector	<i>Tapan B. Pathak, Ph.D.</i> Cooperative Extension Specialist in Climate Adaptation in Agriculture, Sierra Nevada Research Center, UC Merced
11:40 – 12:25	<p>Speaker Panel Discussion</p> <p>Moderator: <i>Elissa Lynn</i>, Program Manager II, Climate Change Program California Dept. of Water Resources, Sacramento</p>	
12:25 – 1:20	<i>LUNCH</i>	

Afternoon Session: Managing Flood Risk and Water Resources Impacted by Global Warming		
1:20 – 1:50	Projections of Climate Change Effects on Atmospheric Rivers	<i>Duane Waliser, Ph.D.</i> Chief Scientist, Earth Science and Technology Directorate, Jet Propulsion Laboratory, NASA, Pasadena
1:50 – 2:20	Using Decision-Scaling and Stochastic Weather Generation in Tuolumne River Basin Demonstration Study of Climate Change Vulnerabilities to Water Systems	<i>John Kucharski</i> Senior Economist, Hydrologic Engineering Center, U.S. Army Corps of Engineers, Davis
2:20 – 2:50	Using Forecasts in Reservoir Operations	<i>Jennifer R. Fromm, P.E.</i> Lead Water Manager, Water Management Section, U.S. Army Corps of Engineers, Sacramento District
2:50 – 3:10	BREAK	
3:10 – 3:40	Exploring Flooding and Water Supply Risks from Sea Level Rise in the Delta	<i>Jamie Anderson, Ph.D., P.E.</i> Senior Engineer, Delta Modeling Section Bay-Delta Office, California Dept. of Water Resources, Sacramento
3:40 – 4:10	Attribution of Extreme Weather Events to Climate Variability and Change	<i>Christina M. Patricola, Ph.D.</i> Research Scientist, Climate and Ecosystem Sciences Division, Lawrence Berkeley National Laboratory, Berkeley
4:10 – 4:50	Speaker Panel Discussion Moderator: <i>Samuel Sandoval Solis, Ph.D.</i> , Associate Professor and Cooperative Extension Specialist in Water Management, UC Davis	
4:50 – 4:55	<i>Symposium Feedback</i>	
5:00 – 6:30	<i>POSTER SESSION with light refreshments</i>	