



2022 California Extreme Precipitation Symposium



Theme:

Historic American River Floods and New Tools for Managing Future Extremes

Tuesday, June 21, 2022

Lake Natoma Inn, 702 Gold Lake Drive, Folsom, CA

Draft Agenda – 15 May 2022

Time (PT)	Title	Speaker
7:45 – 8:30 am	Continental Breakfast and Check-In	
8:30 – 8:55	Welcome Special Recognition Award presented to: Beth A. Faber, Ph.D., P.E.	<i>Anne Heggli</i> , Graduate Research Assistant, Div. of Atmospheric Science, Desert Research Institute, Reno, NV <i>Rob Hartman</i> Robert K. Hartman Consulting Services, Roseville
8:55 – 9:25	<i>Historic American River Floods</i>	<i>Gary Estes</i> , Symposium Founder California Extreme Precipitation Symposium, Auburn
9:25 – 10:00	<i>Estimating the January 9-10, 1862 American River Flood Peak with HEC-RAS Modeling (virtual from Wisconsin)</i>	<i>Matt Weber, P.E.</i> , Ecohydrologist CBEC Eco-Engineering, West Sacramento, CA
10:00 – 10:20	<i>MORNING BREAK</i>	
10:20 – 10:55	<i>History and Future of American River Flood Risk Management Projects</i>	Gary Bardini, P.E., Director of Planning Sacramento Area Flood Control Agency
10:55 – 11:30	<i>Precipitation Forecasting Improvements Since 2006 and Looking Ahead</i>	<i>Matt Jeglum, Ph.D.</i> , R&D Meteorologist Western Region Headquarters, National Weather Service, Salt Lake City, UT
11:30 – 12:05	<i>Streamflow Forecasting: Past, Present, Future</i>	<i>Brett Whitin, P.E.</i> , Service Coordination Hydrologist CA-NV River Forecast Center, National Weather Service, NOAA, Sacramento
12:05 – 1:05	<i>LUNCH</i>	
1:05 – 1:40	Atmospheric Rivers: Past Explorations and Future Directions (recorded talk)	<i>Marty Ralph, Ph.D.</i> , Director Center for Western Weather and Water Extremes, Scripps Institution of Oceanography, UC San Diego
1:40 – 2:15	<i>Atmospheric River Reconnaissance: Filling Data Gaps to Improve Forecasts of Extreme Events</i> (recorder talk)	<i>Anna M. Wilson, Ph.D.</i> , Field Research Manager Center for Western Weather and Water Extremes, Scripps Institution of Oceanography, UC San Diego
2:15 – 2:50	<i>Interplay of Geography and Atmospheric Conditions on California Precipitation</i>	<i>Allen White, Ph.D.</i> , Research Meteorologist Physical Sciences Laboratory, NOAA, Boulder, CO
2:50 – 3:10	<i>AFTERNOON BREAK</i>	
3:10 – 3:45	<i>Evaluating the Feasibility for Forecast Informed Reservoir Operations (FIRO) Improvements at Folsom Dam</i>	<i>Drew Allan Loney, Ph.D., P.E.</i> , Hydrologist Water Resources Engineering and Management, U.S. Bureau of Reclamation, Denver
3:45 – 4:20	<i>Understanding the Interactions between Climate Change Scenarios and Dam Flood Risk Across the West</i>	<i>Amanda Stone, P.E.</i> , Hydrologic Engineer Water Resources Engineering and Management, U.S. Bureau of Reclamation, Denver
4:20 – 4:25	<i>SYMPOSIUM FEEDBACK</i>	