

**Schedule is subject to change.*

TUESDAY, OCTOBER 20

7:00am	CONTINENTAL BREAKFAST (<i>workshop participants only</i>)
8:00am-11:30am	WORKSHOP: PIPE REHABILITATION AND REPLACEMENT (<i>separate registration required</i>) <i>Facilitated by Forrest Killingsworth and Kent Norman</i> • TBD, Modesto Irrigation District • Chad Parsons, South San Joaquin Irrigation District • Jason Word, ISI • Cody Arnold, Northern Water • Jusin Hopkins, Stockton East Water District • Daniel deGraaf, NSJWCD
11:45am-1:00pm	OPENING LUNCH WITH KEYNOTE SPEAKER Colorado River Issues and IID's Conservation Program Introduction: David Bradshaw <i>Tina Shields, Water Department Manager - Imperial Irrigation District</i>
1:15pm-2:45pm	GENERAL SESSION 1: Infrastructure Design and Construction "A" <i>Moderated by Alejandro Paolini</i> Using Geosynthetic Cementitious Composite Mats (GCCMs) Specified to ASTM D8364 to Virtually Eliminate Seepage Losses, Reduce Erosion and Increase Holding Capacity in Earthen Canals and in Remediation of Concrete Lined Canals <i>Nathan Ivy, Concrete Canvas USA</i> Know Your System's Past Before Planning Your Water Future <i>Steve Knell, Steve Knell Ag Water Consulting</i> Flowing Into the Future: Canal Lining Strategies for Water Conservation <i>Brad Kirksey, Freese and Nichols, Inc.</i> Tehachapi-Cummings County Water District Engine Replacement Project <i>Noelle Penner, Provost & Pritchard Consulting Group</i>
2:45pm-3:00pm	BREAK
3:00pm-5:00pm	GENERAL SESSION 2: Technologies "A" <i>Moderated by Amy Johnson</i> The Great Recalibration: Breathing New Life into Legacy Flow Measurement Structures <i>Josh Mortensen, US Bureau of Reclamation</i> Multi-District Evaluation of FLUID and PRIME SCADA Control Programs <i>Dylan Tuttobene, Cal Poly ITRC</i> Modernizing Irrigation Pump Station Operations Using Software-Defined Automation <i>Kyle Sanders, Schneider Electric</i>

Comparing Overshot and Slidegate Control Performance for Local Downstream Water Level Control
Blair Stringam, NMSU

The Modern Irrigation District Responding to Growing Water Scarcity
Peter Moller, Rubicon Water

5:00pm-7:30pm **WELCOME RECEPTION WITH EXHIBITORS**

WEDNESDAY, OCTOBER 21

7:00am-8:00am **CONTINENTAL BREAKFAST WITH EXHIBITORS**

8:00am-9:30am **GENERAL SESSION 1: Surface Water Supply**
Moderated by Therese Ure Stix

Construction of a Flood Water Diversion Facility in Aliso Water District
Antonio Bejarano, Provost & Pritchard Consulting Group

Monitoring Salinity Across Space and Time to Support Drain Water Recycling within a Rice-Dominated Water District
Ji Yeow Law, Davids Engineering

Treasure Valley Water Supply Project – An Effort to Avoid Water Supply Shortfalls Resulting from Declining Drain Flows
Daniel Hoke, Idaho Water District 63

Odessa Groundwater Replacement Program (OGWRP): Adapting Irrigation Delivery Systems to Meet Long-Term Water Supply Challenges
Jennifer Hickenbottom, Bureau of Reclamation

9:30am-9:45am **USCID UPDATE/USCID ANNUAL MEETING**
Therese Stix, USCID President, Schroeder Law Offices P.C.

9:45am-10:15am **BREAK**

10:15am-11:30am **GENERAL SESSION 2: Evapotranspiration**
Moderated by Forrest Killingsworth

Field Evaluation of Conventional and Compact Eddy Covariance Systems using Large Weighing Lysimeters
Gary Marek, USDA-ARS Conservation and Production Research Laboratory

OpenET: How Well Does it Estimate ET from Lysimeters in an Advective Region?
Paul Colaizzi, USDA-ARS Conservation and Production Research Laboratory

Evaluating Multi-Satellite and UAV-Based Remote Sensing for Evapotranspiration, Irrigation Management, And Crop Yield Assessment
Ivo Goncalves, Daugherty Water for Food Global Institute at the University of Nebraska

11:30pm-12noon	MEET THE EXHIBITORS
12noon-1:15pm	LUNCH WITH SPEAKER Conjunctive Management <i>Introduction: Therese Ure Stix</i> <i>Joe Cacioppo, State Engineer, Nevada Division of Water Resources</i>
1:30pm-3:00pm	GENERAL SESSION 3: Technologies “B” <i>Moderated by Alejandro Paolini</i> TID Ceres Main Total Channel Control Pilot Project <i>Matthew Hazen, Turlock Irrigation District</i> Irrigation Delivery Operations: Adapting to Current and Future Demands Using Technology <i>Alex Buenrosto, Turlock Irrigation District</i> Applying Computer Vision Approaches to Hydrological Monitoring <i>Daniel Ritter, SonTek</i> Modernizing Meter Monitoring at Scale: Arvin-Edison Water Storage District’s Transition from Manual Reads to Real-Time Flow Management <i>Andrew Gray, Wildeye</i>
3:00pm-3:15pm	BREAK
3:15pm-4:45pm	GENERAL SESSION 4: Infrastructure Design and Construction “B” <i>Moderated by Kent Norman</i> 60 Years of Irrigation District Modernization – Then and Now <i>Charles Burt</i> Semitropic Water Storage District Delta Pipeline Improvements Project <i>Ethan Hunter, GEI Consultants, Inc.</i> Full Structural Rehabilitation by Spray Applied Pipe Lining (SAPL) and Fiber-Reinforced Polymers (FRP) for Water Conveyance Systems <i>Kurt Chirbas, Henkel</i> Beaver Control Implementation Results from Several Western States <i>Stephanie Gwerder, Briggs Manufacturing</i>
4:45pm-6:30pm	RECEPTION WITH EXHIBITORS

THURSDAY, OCTOBER 22

7:00am-8:30am	CONTINENTAL BREAKFAST WITH EXHIBITORS
8:30am-10:30am	GENERAL SESSION 1: Groundwater <i>Moderated by Sara Harper</i>

Measuring What Matters: Spatial Water Accounting Towards Sustainable Groundwater Management

Jeff Davids, Davids Engineering

Driver Road Pipeline Design and Construction in Southern San Joaquin Municipal Utility District

Sam Schaefer, GEI Consultants, Inc.

North Kern Water Storage District Return Capacity Improvements (Nk-622)

Fabian Acuna, GEI Consultants, Inc.

The Groundwater Demand Management (GDM) Network

Jeff Davids, Davids Engineering

Canal Capacity for Water Delivery to Recharge Basins in Consolidated Irrigation District

Bryan Thoreson, GEI Consultants, Inc.

10:30am-10:45am BREAK

10:45am-11:30am GENERAL SESSION 2: Planning
Moderated by Emily Brengarth

A Three-Part Readiness Test for Modernizing Water Delivery Systems

Steve Knell, Steve Knell Ag Water Consulting

Adapting Irrigation Delivery to Land Subsidence: A Phased Approach for the Delta-Mendota Canal

Numan Mizyed, Bureau of Reclamation, Technical Service Center

FID's Capital Improvement Project Pipeline Replacement Index Matrix Program

Felix Vaquilar, Fresno Irrigation District (FID)

12noon-1:15pm LUNCH WITH SPEAKER
Coordinated Vegetation Management

Introduction by Amy Johnson

Iris Jehle-Peppard, One Truckee River Organization

1:30pm-3:30pm PANEL DISCUSSION: WAYS AND MEANS TO ACHIEVE CONSTRUCTION EFFICIENCY IN DISTRICT OPERATIONS
Moderated by Steve Knell

Ismail Gomez, Imperial Irrigation District

Barron Sweet, South San Joaquin Irrigation District

Cody Arnold, Northern Water

Kevin Cunningham (invited), Salt River Project

FRIDAY, OCTOBER 23

7:30am-12:30pm FIELD TOUR
(separate registration required)

**VALLEY ROAD EXPERIMENT STATION, COLLEGE OF AGRICULTURE,
BIOTECHNOLOGY & NATURAL RESOURCES (CABNR), UNIVERSITY OF
RENO**

Tour the UNR experiment station and hear about research studies involving variable rate irrigation and deficit irrigation of alfalfa and sweet sorghum field studies as well as the “MoistureMapper” robotic soil moisture sensing system.

RENO STEAD WATER RECLAMATION FACILITY

Technical tour of the RSWRF, pilot trailer which produces drinking water quality water from RSWRF's reclaimed water; and the adjacent site where the future full scale potable reuse facility will be built based on the pilot scale work.

Additional Details:

- *Continental breakfast and beverages will be available to “grab and go” beginning at 7:00am.*
- *A box lunch will be provided at the end of the tour.*
- *The tour bus will drop participants at two locations:*
 - *the Airport by 1:00 PM*
 - *the Eldorado by 1:30 PM*

PLEASE NOTE THAT CLOSED-TOE SHOES ARE REQUIRED