

*\*Schedule is subject to change.*

**TUESDAY, OCTOBER 20**

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| <b>7:00am</b>         | <b>CONTINENTAL BREAKFAST</b> ( <i>workshop participants only</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>8:00am-11:30am</b> | <b>WORKSHOP: PIPE REHABILITATION AND REPLACEMENT</b><br>( <i>separate registration required</i> )<br><i>Facilitated by Forrest Killingsworth and Kent Norman</i> <ul style="list-style-type: none"><li>• <i>Modesto Irrigation District</i></li><li>• <i>South San Joaquin Irrigation District</i></li><li>• <i>Innovative Shotlining Inc.</i></li><li>• <i>Northern Water</i></li><li>• <i>Stockton East Water District</i></li><li>• <i>North San Joaquin Water Conservation District</i></li></ul>                                                                                                                                                                                                      |
| <b>11:45am-1:00pm</b> | <b>OPENING LUNCH WITH KEYNOTE SPEAKER</b><br><b>IID's Colorado River Conflict, Collaboration and Conservation</b><br><i>Introduction by David Bradshaw</i><br><i>Tina Shields, Water Department Manager - Imperial Irrigation District</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>1:15pm-2:45pm</b>  | <b>GENERAL SESSION 1: Infrastructure Design and Construction "A"</b><br><i>Moderated by Alejandro Paolini</i><br><br>Using GCCMs Specified to ASTM D8364 to Reduce Seepage Loss, Mitigate Subsidence and Increase Holding Capacity in Concrete Lined Canals<br><i>Nathan Ivy, Concrete Canvas USA</i><br><br>Know Your System's Past Before Planning Your Water Future<br><i>Steve Knell, Steve Knell Ag Water Consulting</i><br><br>Flowing Into the Future: Canal Lining Strategies for Water Conservation<br><i>Brad Kirksey, Freese and Nichols, Inc.</i><br><br>Tehachapi-Cummings County Water District Engine Replacement Project<br><i>Noelle Penner, Provost &amp; Pritchard Consulting Group</i> |
| <b>2:45pm-3:00pm</b>  | <b>BREAK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>3:00pm-5:00pm</b>  | <b>GENERAL SESSION 2: Technologies "A"</b><br><i>Moderated by Amy Johnson</i><br><br>The Great Recalibration: Breathing New Life into Legacy Flow Measurement Structures<br><i>Josh Mortensen, US Bureau of Reclamation</i><br><br>Multi-District Evaluation of FLUID and PRIME SCADA Control Programs<br><i>Dylan Tuttobene, Cal Poly ITRC</i><br><br>Modernizing Irrigation Pump Station Operations Using Software-Defined Automation<br><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-7:00pm**      **WELCOME RECEPTION WITH EXHIBITORS & STUDENT POSTER SESSION**

**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  
*Bryan Horsburgh, HDR Engineering, Inc.*

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*

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| <b>11:30am-12noon</b> | <b>MEET THE EXHIBITORS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>12noon-1:15pm</b>  | <b>LUNCH WITH SPEAKER</b><br><b>Conjunctive Management</b><br><i>Introduction by Therese Ure Stix</i><br><i>Joe Cacioppo, State Engineer, Nevada Division of Water Resources</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>1:30pm-3:00pm</b>  | <b>GENERAL SESSION 3: Technologies “B”</b><br><b>Moderated by Alejandro Paolini</b><br><br>TID Ceres Main Total Channel Control Pilot Project<br><i>Matthew Hazen, Turlock Irrigation District</i><br><br>Irrigation Delivery Operations: Adapting to Current and Future Demands Using Technology<br><i>Alex Buenrostro, Turlock Irrigation District</i><br><br>Applying Computer Vision Approaches to Hydrological Monitoring<br><i>Daniel Ritter, SonTek</i><br><br>Modernizing Meter Monitoring at Scale: Arvin-Edison Water Storage District’s Transition from Manual Reads to Real-Time Flow Management<br><i>Andrew Gray, Wildeye</i>      |
| <b>3:00pm-3:15pm</b>  | <b>BREAK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>3:15pm-4:45pm</b>  | <b>GENERAL SESSION 4: Infrastructure Design and Construction “B”</b><br><b>Moderated by Kent Norman</b><br><br>50 Years of Irrigation District Modernization in the USA — Then and Now<br><i>Charles M. Burt</i><br><br>Semitropic Water Storage District Delta Pipeline Improvements Project<br><i>Ethan Hunter, GEI Consultants, Inc.</i><br><br>Full Structural Rehabilitation by Spray Applied Pipe Lining (SAPL) and Fiber-Reinforced Polymers (FRP) for Water Conveyance Systems<br><i>Kurt Chirbas, Henkel</i><br><br>Beaver Control Implementation Results from Several Western States<br><i>Stephanie Gwerder, Briggs Manufacturing</i> |
| <b>4:45pm-6:30pm</b>  | <b>RECEPTION WITH EXHIBITORS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**THURSDAY, OCTOBER 22**

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

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**

**USCID AWARDS**  
**Merriam Improved Irrigation Award; Service to the Profession Award**  
*Presented by Sam Schaefer*

**GUEST PRESENTATION**  
**Toward More Resilient and Effective Spillway Chutes**  
*Introduction by Stuart Styles*  
*Tony Wahl, Wahl Hydraulics, LLC*

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

*Ismael Gomez, Imperial Irrigation District*  
*Barron Sweet, South San Joaquin Irrigation District*  
*Cody Arnold, Northern Water*  
*Justin Schonhoff (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**