

**United States Committee  
on Irrigation & Drainage  
2024 Conference**



**USCID**

***Implementing Sustainable  
Water Management***

**October 1-4, 2024  
Holiday Inn Sacramento  
Sacramento, California**

# 2024 USCID CONFERENCE

## SCHEDULE OF EVENTS

---

### TUESDAY, OCTOBER 1

- 7:00am-7:30am** CONTINENTAL BREAKFAST (tour participants only)
- 8:00am-11:30am** **FIELD TOUR (separate registration required)**  
*Solano Irrigation District, Vacaville, California. Presentation with Solano Irrigation District representatives, followed by a bus tour visiting key areas of the district with modernized and conventional flow regulations and control structures.*
- 12noon-1:15pm** **OPENING LUNCH WITH SPEAKER**  
*Karl Stock, Regional Director, Bureau of Reclamation, California Great Basin Region*
- 1:30pm-3:00pm** **OPENING SESSION**  
**California Irrigation Districts: Panel Presentation**  
  
**California's Attempts to Find a Balance Between Fish, Feathers, Folks and Farms through the Sustainable Groundwater Management Act (SGMA)**  
*Jeffrey C. Davids, Davids Engineering, Inc. et al*  
  
**Increasing Groundwater Recharge Capacity in Southern San Joaquin Municipal Utility District: A Case Study Highlighting Planning, Funding, Constructing and Operating Recharge Facilities within the District**  
*Sam Schaefer, P.E., GEI Consultants, Inc. et al*
- 3:00pm-3:30pm** **BREAK**
- 3:30pm-4:30pm** **OPENING SESSION (continued)**  
**Arvin-Edison Water Storage District's SGMA 2.0 Program; Addressing Water Supply Sustainability for a Second Time Under California's Sustainable Groundwater Management Act**  
*Randy Hopkins, Provost & Pritchard Consulting Group et al*  
  
**Opportunities at the Intersection of Farmland & Water Markets**  
*Brett Bovee, P.E., West Water Research LLC*
- 4:45pm-5:00pm** **USCID UPDATE/USCID ANNUAL MEETING**
- 5:00pm-5:30pm** **MEET THE EXHIBITORS**
- 5:30pm-7:30pm** **WELCOME RECEPTION WITH EXHIBITORS**

### WEDNESDAY, OCTOBER 2

- 7:30am-8:00am** **CONTINENTAL BREAKFAST WITH EXHIBITORS**
- 8:00am-10:00am** **SESSION A: DISTRICT MODERNIZATION**  
**Modernizing Agricultural Water Delivery in California: Challenges, Solutions, and the Road Ahead**  
*Arian Aghajanzadeh, Klimate Consulting et al*  
  
**Using a Peer to Peer Control Method to Improve Irrigation Canal Delivery Performance**  
*Blair Stringam, New Mexico State University*  
  
**Application of Geosynthetic Cementitious Composite Mats (GCCMs) to Mitigate Water Seepage of Earthen Irrigation Canals**  
*Nathan Ivy, Concrete Canvas US et al*  
  
**Water Master Planning for Sustainable Water Management within the South San Joaquin Irrigation District**  
*Forrest Killingsworth, P.E., South San Joaquin Irrigation District*
- 10:00am-10:30am** **BREAK WITH EXHIBITORS**
-

# 2024 USCID CONFERENCE

## SCHEDULE OF EVENTS (PAGE 2)

---

- 10:30am-12noon**      **SESSION B: GROUNDWATER MANAGEMENT**  
**Increasing Managed Aquifer Recharge through Forecast-Informed Reservoir Operations**  
*Bryan Thoreson, GEI Consultants Inc. et al*
- Characterizing Stream-Aquifer Exchanges with Stream Reach Water Budgets**  
*Joaquin Fraga Hernandez, Davids Engineering Inc. et al*
- Remote Sensing Estimates of Groundwater Extraction Using GEEEO Process**  
*Jacob Winslow, Davids Engineering Inc. et al*
- 12noon-1:15pm**      **LUNCH WITH SPEAKER**
- 1:30pm-3:00pm**      **SESSION C: GROUNDWATER RECHARGE**  
**Kenneson-Sanchez Recharge Basin Project**  
*Sean Smith, P.E., Provost & Pritchard Consulting Group et al*
- How to Have your Cake and Eat it Too: A Case Study of Recharging with Reverse Tile Drains**  
*Mike Busby, PG EIT, Lidco Inc.*
- Subsurface Groundwater Recharge**  
*Bryan Thoreson, GEI Consultants Inc. et al*
- 3:00pm-3:30pm**      **BREAK WITH EXHIBITORS**
- 3:30pm-5:00pm**      **SESSION D: SUSTAINABLE WATER MANAGEMENT**  
**Innovative Strategies for Sustainable Water Management at the River Basin Level**  
*Masood Seehar, Irrigation & Power Dept., Government of Sindh, Pakistan*
- Rising Waters, Rising Concerns: A Case Study of Sindh's Irrigation Crisis**  
*Willem van Deursch, Cathargo Consultancy, Netherlands et al*
- Assessing Water Delivery Level of Service Needs for Irrigation System Master Planning**  
*Jason Smesrud, P.E., Jacobs et al*
- 5:00pm-7:00pm**      **RECEPTION WITH EXHIBITORS**

### THURSDAY, OCTOBER 3

- 7:30am-8:00am**      **CONTINENTAL BREAKFAST WITH EXHIBITORS**
- 8:00am-9:30am**      **SESSION A: SUSTAINABLE WATER MANAGEMENT**  
**Hydro Zones—Strategic Insight for Groundwater Overdraft**  
*Matt Angell, Madera Pumps Inc.*
- Accounting for Wetlands: Improving Data and Management Tools for an Important but Understudied Water User in California**  
*Brandon Ertis, Davids Engineering Inc. et al*
- Ode to the Bureau of Reclamation's Drainage Manual**  
*Michael J. Day, P.E., Provost & Pritchard Consulting Group*
- Future Drought Projections in Sindh Province Using SPEI-Index Based on Climate Change Scenarios**  
*Suhail Ahmed, Asian Institute of Technology, Thailand et al*
- 10:00am-10:30am**      **BREAK WITH EXHIBITORS**
- 10:30am-12noon**      **SESSION B: MEASUREMENT**  
**Evapotranspiration Measurements on Groundwater Recharge Using Eddy Covariance**  
*Luke Nydam, ITRC, California Polytechnic State University et al*
- Calibration of Sindh Canals Using Acoustic Doppler Current Profiler and International Institution Guidelines: A Case Study of Guddu Barrage Off-taking Canals**  
*Sajid Ali Bhutto, Barrage Management Unit, Irrigation Dept, Government of Sindh, Pakistan et al*
- Bridging the Farm-Gate Delivery Data Gap: Fifteen Years of SBx7-7 Implementation**
-

# 2024 USCID CONFERENCE SCHEDULE OF EVENTS (PAGE 3)

---

*Joshua G. Otto, Davids Engineering, Inc. et al*

**12noon-1:15pm**

**LUNCH WITH SPEAKER**

**1:30pm-3:00pm**

**SESSION C: DISTRICT MODERNIZATION II**

**Orland-Artois Water District's Class II Lands Annexation Project**

*Danny Kerns, Provost & Pritchard Consulting Group et al*

**The Modern Irrigation District Responding to Growing Water Scarcity**

*Peter Moller, Rubicon Water*

**Waitaki Water Management**

*Andrew Barton, Morven Glenavy Ikawai Irrigation Company Ltd*

**3:00pm-3:30pm**

**BREAK WITH EXHIBITORS**

**3:30pm-5:00pm**

**SESSION D: DISTRICT MODERNIZATION**

**Water Rights Pathways to Authorize Diversions to Potential Flood-MAR Projects**

*Sara Harper, P.E., CFM, Provost & Pritchard Consulting Group et al*

**Flood Water Diversion in Aliso Water District**

*Jose A. Bejarano, EIT, Provost & Pritchard Consulting Group et al*

**Evaporation from Groundwater Recharge Basins**

*Daniel J. Howes, California Polytechnic State University*

## **FRIDAY, OCTOBER 4**

**6:45am-7:15am**

**CONTINENTAL BREAKFAST (tour participants only)**

**7:15am-3:30pm**

**FIELD TOUR (separate registration required)**

*Oroville Dam and Lundberg Family Farms. Please note that at the conclusion of the tour, the bus will drop participants at the Sacramento airport or the Holiday Inn Downtown.*

---

## USCID CONFERENCE

For 2024 conference information, schedule, hotel information, online registration, sponsorship and exhibitor opportunities, visit [www.uscid.org/events](http://www.uscid.org/events).

USCID has been hosting conferences on the latest irrigation and drainage research and technologies since 1996 in cities throughout the United States and internationally. For a list of conferences, and conference proceedings, visit: [www.uscid.org/pastconferences](http://www.uscid.org/pastconferences).

## HOTEL INFORMATION & RESERVATIONS

The 2024 USCID Conference will be held at the Holiday Inn Sacramento Downtown Arena in Sacramento, California. Discounted room rates are available through our dedicated link below or by calling the hotel directly at (916)446-0100 and mentioning USCID. Deadline for rooms at the conference rate is September 9. Rooms reserved after the deadline may not be available or may be at a higher rate.

Book a room using the link below or call 916-446-0100.

[U.S. Committee on Irrigation and Drainage](#)

## CONFERENCE DEADLINES

- The Holiday Inn Sacramento room reservation deadline is September 9, 2024 OR until our room block fills. Book your room early!
- Conference early registration deadline is September 6. Registration fees increase after September 6.

## EXHIBITOR AND SPONSORSHIP INFORMATION

A limited number of exhibit booths and sponsorship opportunities are available. Please refer to the Exhibitor and Sponsorship Opportunities Flyer for more information.

## ABOUT USCID

The mission of USCID is to promote progressive and sustainable irrigation, drainage and flood control practices in support of food and fiber production and public safety, recognizing that sustainability embodies economic, social and environmental goals. USCID is a non-profit professional society whose members share an interest in the planning, design, construction, operation and maintenance of irrigation, drainage and flood control works, agricultural economics, water law, and environmental and social issues affecting irrigated agriculture.

USCID is a member of the International Commission on Irrigation and Drainage (ICID), an association of more than 70 countries. Founded in 1950, ICID is a non-governmental organization dedicated to the sound and responsible management of water resources.

USCID publishes the USCID newsletter, proceedings of USCID meetings and special reports, organizes and sponsors periodic technical meetings and conferences, and distributes ICID publications.

For more information on USCID and their activities, and membership information, visit the website: [www.uscid.org](http://www.uscid.org) or contact:

**United States Committee on Irrigation & Drainage**  
1521 I Street  
Sacramento, CA 95814  
Phone: (916)441-1064  
Jane Townsend, Executive Director ([jane@agamsi.com](mailto:jane@agamsi.com))  
Megan Corcoran, Associate Director ([megan@agamsi.com](mailto:megan@agamsi.com))

# UNITED STATES COMMITTEE ON IRRIGATION & DRAINAGE SACRAMENTO, CALIFORNIA — OCTOBER 1-4, 2024 CONFERENCE REGISTRATION

To register, please return this form to USCID or register online at <https://www.uscid.org/events>

Name: \_\_\_\_\_ Guest Name (if applicable): \_\_\_\_\_

Company/Organization: \_\_\_\_\_

Address: \_\_\_\_\_ State/Province: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Please list any special dietary restrictions:

## USCID CONFERENCE REGISTRATION FEES:

Registration includes admittance to all conference sessions, breaks, meals, and receptions. Tuesday and Friday tours must be purchased separately.

- |                          |   |       |
|--------------------------|---|-------|
| <input type="checkbox"/> | USCID Member Early Registration (by Sept. 6)  | \$600 |
| <input type="checkbox"/> | USCID Member Late Registration (after Sept. 6)  | \$675 |
| <input type="checkbox"/> | Non-Member Early Registration (by Sept. 6)  | \$800 |
| <input type="checkbox"/> | Non-Member Late Registration (after Sept. 6)  | \$875 |
| <input type="checkbox"/> | Author/Co Author  | \$400 |
| <input type="checkbox"/> | Guest Registration<br><i>(Guest registration available to spouses/guests of paid registrants who are not company representatives)</i> | \$200 |
| <input type="checkbox"/> | Optional Tuesday 1/2 day Tour<br><i>(Solano Irrigation District)</i>  | \$20  |
| <input type="checkbox"/> | Optional Friday Full Day Tour<br><i>(Oroville Dam, Lundberg Farms)</i>  | \$20  |

TOTAL REGISTRATION FEES: \$ \_\_\_\_\_

## PAYMENT METHOD:

Check payable to "USCID"

Credit Card: \_\_\_ VISA \_\_\_ MasterCard \_\_\_ American Express \_\_\_ Discover

Card No: \_\_\_\_\_ Exp. \_\_\_\_\_ Security Code: \_\_\_\_\_

Billing Zip Code: \_\_\_\_\_ Cardholder Signature: \_\_\_\_\_

## RETURN FORM TO:

US Committee on Irrigation & Drainage, 1521 I Street, Sacramento, CA 95814  
Phone (916)441-1064 Fax (916)446-1063 Email [jane@agamsi.com](mailto:jane@agamsi.com); [megan@agamsi.com](mailto:megan@agamsi.com)  
OR register online at: <https://www.uscid.org/events>

# UNITED STATES COMMITTEE ON IRRIGATION & DRAINAGE SACRAMENTO, CALIFORNIA — OCTOBER 1-4, 2024 2024 CONFERENCE SPONSORSHIP AND EXHIBITOR OPPORTUNITIES

- EXHIBITOR**  
\$800 Exhibit fee includes one exhibit table for company display in the conference meeting area for the duration of the conference, and ONE complimentary conference registration. Additional exhibitor company representatives may register for a discounted registration fee of \$450 each.

## SPONSORSHIP OPPORTUNITIES:

- CONTINENTAL BREAKFAST: WEDNESDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- CONTINENTAL BREAKFAST: THURSDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- RECEPTION: TUESDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- RECEPTION: WEDNESDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- LUNCH: TUESDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- LUNCH: WEDNESDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- LUNCH: THURSDAY** \$1000 Sponsorship includes discounted conference registration @ \$450
- COFFEE BREAK: TUESDAY (one afternoon break)** \$550 Sponsorship
- COFFEE BREAK: WEDNESDAY (both AM and PM breaks)** \$800 Sponsorship
- COFFEE BREAK: THURSDAY (both AM and PM breaks)** \$800 Sponsorship
- FIELD TOUR: TUESDAY HALF DAY** \$800 Sponsorship
- FIELD TOUR: FRIDAY FULL DAY** \$1000 Sponsorship
- LANYARDS** \$500 Sponsorship. Imprint your company's name and/or message on lanyards that will be distributed at registration. Sponsor produces and provides lanyards at no cost to the conference. (*Lanyards must be "O Ring" variety to be compatible with our nametags*).
- PENS** \$500 Sponsorship. Provide attendees with pens with your company's name and/or logo. Pens will be distributed at registration. Sponsor produces and provides pens at no cost to the conference.
- WRITING PADS** \$500 Sponsorship. Provide attendees with writing pads with your company's name and/or logo. Writing pads will be distributed at registration. Sponsor produces and provides pens or writing pads at no cost to the conference.

**MORE INFO** —>

**EXHIBITOR INFORMATION:** *The exhibit area will be open with a reception on Tuesday evening, October 1 and will continue through the Thursday afternoon coffee break. Opportunities to meet with exhibitors will be offered during the Tuesday and Wednesday receptions, continental breakfasts and morning/afternoon breaks. In addition, Exhibitor representatives will be introduced to conference participants and given the opportunity to summarize their products/services during a **MEET THE EXHIBITORS** session on Tuesday afternoon. Exhibit setup is Tuesday, October 1 from Noon-4:00pm. Exhibit teardown is Thursday, October 3 from 3:00-5:00.*

**SPONSORSHIP INFORMATION:** *All sponsors will be recognized in conference materials, on prominent signage at the event and on the USCID website. Sponsorships will be accepted on a first come, first serve basis. Sponsors have the opportunity to provide literature (brochures, booklets or pamphlets) for distribution at the registration desk. Sponsors of lanyards, pens and writing pads agree to provide these items at no cost to USCID. Sponsors will be responsible for the shipping or transport of any literature or promotional items to the USCID Conference in Sacramento. Sponsors will be contacted by USCID staff to coordinate their participation.*

**EXHIBITOR/SPONSORSHIP REGISTRATION**

**I. COMPANY INFORMATION**

Company Name: \_\_\_\_\_

Primary Contact Name: \_\_\_\_\_

Exhibit Booth Representatives (ONE COMPLIMENTARY) Name: \_\_\_\_\_

Additional Booth Reps (@ \$450 each) Names: \_\_\_\_\_

Continental Breakfast, Lunch, and Reception Sponsorships include ONE discounted registration at \$450.  
Please indicate discounted registration NAME: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**II. TOTAL DUE**

Exhibit Space (@ \$800; includes ONE comp registration) \$ \_\_\_\_\_

Additional Exhibitor Reps (@\$450 each) \$ \_\_\_\_\_

Sponsorship ( \_\_\_\_\_ ) \$ \_\_\_\_\_

Discounted conference registration—\$450 (ONE discounted registration is included in Continental Breakfast, Lunch, and Reception sponsorships) \$ \_\_\_\_\_

**Total Due:** \$ \_\_\_\_\_

**III. PAYMENT METHOD:**

Check payable to "USCID"

Credit Card: \_\_\_ VISA \_\_\_ MasterCard \_\_\_ American Express \_\_\_ Discover

Card No: \_\_\_\_\_ Exp. \_\_\_\_\_ Security Code: \_\_\_\_\_

Billing Zip Code: \_\_\_\_\_ Cardholder Signature: \_\_\_\_\_

**RETURN FORM TO:**

**US Committee on Irrigation & Drainage, 1521 I Street, Sacramento, CA 95814**  
**Phone (916)441-1064 Fax (916)446-1063 Email [jane@agamsi.com](mailto:jane@agamsi.com); [megan@agamsi.com](mailto:megan@agamsi.com)**