



CWEMF

C A L I F O R N I A

*Water & Environmental
Modeling Forum*

2025 Awards Ceremony

**Distinguished Life Membership
Career Achievement
Hugo B. Fischer**

Folsom, California

May 12, 2025

Distinguished Life Membership Award

Recognizes active or past members who, through long and distinguished service, have made a major contribution to CWEMF and to the California water and environmental modeling profession:

- CWEMF member for at least 10 years (not necessarily in a row)
- Regular attendee at CWEMF Steering Committee and/or Annual Meetings
- Other significant contributions to the organization

Past Distinguished Life Membership Award Winners

2010: K.T. Shum

2011: George Nichol

2012: Rich Satkowski

2014: Nigel Quinn

2015: Tariq Kadir

2016: Marianne Guerin

2017: Tara Smith

2018: Hubert Morel-Seytoux

2019: Stacy Tanaka

2020: Paul Hutton

2023: Ben Bray

2024: Nicky Sandhu

2025...

2025 Distinguished Life Membership Award Winner

Dr. Michael Deas



Dr. Michael Deas

- Principal, Watercourse Engineering, Inc.
- PhD, Civil & Environmental Engineering, UC Davis, 2000
- MS, Civil & Environmental Engineering, UC Davis, 1989
- BS, Civil Engineering, UC Davis, 1986

CWEMF Membership Highlights:

- 23-year Member and active Steering Committee participant
- Frequent Annual Meeting session moderator and technical presenter
- Developed outreach strategies, organized student mentoring sessions
- Served on committees to select many past awardees
- Helped develop 2021 Modeling Protocols Report

Dr. Michael Deas

In recognition of your many years of outstanding service to our organization as a Steering Committee member and a longstanding session moderator and presenter at numerous Annual Meetings since the early 2000s. CWEMF also appreciates your involvement in multiple subcommittees, including overseeing the publication of the 2021 Protocols for Water and Environmental Modeling report. We tremendously appreciate your sincere commitment to the mission of CWEMF and your active support of participation by your colleagues and employees.

Career Achievement Award

Recognizes significant and sustained contributions in developing, using, or promoting computer modeling to analyze California's water-related problems:

- Increasing the usefulness of models in water management analyses
- Promoting sound quantitative analyses in water management decisions
- Raising public awareness and improving public acceptance of the role of modeling

Past Career Achievement Award Winners

2004: Lyle Hoag

2005: Maury Roos

2006: George Barnes Jr.

2007: Darryl Davis

2008: Lloyd Peterson

2009: Ray Hoagland

2013: Sushil Arora

2015: Don Smith

2017: Bill Fleenor

2018: Francis Chung

2019: Jobaid Kabir

2020: Parviz Nader-Tehrani

2024: Abdul Khan

2025...

2025 Career Achievement Award Winner

Dr. Andrew Draper



Dr. Andrew Draper

- Principal Engineer, Stantec (retired)
- PhD, Water Resource Engineering, UC Davis
- MS, Irrigation Engineering, University of Southampton
- BS, General Engineering, University of Cambridge

Professional Highlights:

- 4+ decades of experience in water resource system modeling
- Technical lead on major model development projects:
 - CalSim3 for DWR and Reclamation
 - SacWAM and SJWAM for State Water Resources Control Board
 - CALVIN at UC Davis
- Supported model applications for important planning studies:
 - 2021 Consultation on Coordinated Long-Term Operations of CVP and SWP
 - Delta Conveyance Project Draft EIR
 - California Water Plan Updates 2009 and 2013

Dr. Andrew Draper

In recognition of your significant and sustained contributions to the California water modeling community over more than four decades. We acknowledge you as an expert in the development and application of simulation and optimization models for strategic water resource management in the crucial region of California's Central Valley. You have shown excellent technical leadership in the development of multiple essential models in our field, including CalSim II and 3, SacWAM and SJWAM, and CALVIN. They have been applied for significant analyses and critical planning studies, including the Coordinated Operations Agreement between the Central Valley and State Water Projects, California Water Plan Updates, the Delta Conveyance Project, and Bay-Delta Water Quality Control Plan Updates. Finally, we appreciate your longstanding support of our organization as a presenter at many past Annual Meetings.

Hugo B. Fischer Award

In honor of Dr. Fischer's pioneering work on San Francisco Bay-Delta water quality modeling. Conceived and endowed by Lyle Hoag, Retired Executive Director of CUWA and Co-founder of CWEMF. Supported by the Fischer family.

Recognizes pioneering contributions to the use of modeling for understanding or solving California water problems:

- Innovative development, refinement, or application of a computer model
- Significant furtherance of the effective use of models in open forums for planning or regulatory functions

Hugo B. Fischer

- BS (1958), MS (1963), & PhD (1966) from California Institute of Technology
- Professor of Civil Engineering at U.C. Berkeley until 1983
- World-renowned authority in saltwater intrusion, water pollution, heat dispersion in waterways, and mixing of rivers, lakes, and oceans



Past Hugo B. Fischer Award Winners

1995: Richard Denton
& Alan Jassby

1996: Ralph Cheng
& Greg Gartrell

1997: Francis Chung

1999: Walter Bourez
& Jack Rowell

2000: Kamyar Guivetchi
& Dwight Russell

2001: Armin Munevar

2002: Gerald Orlob

2003: Can Dogrul

2004: Tom Heinzer

2006: Carl Chen
& Paul Hutton

2007: John DeGeorge

Past Hugo B. Fischer Award Winners

2008: Richard Howitt
& Jay Lund

2009: Pete Smith

2011: Russ Brown

2012: Nancy Parker

2013: Nigel Quinn

2014: Dan Easton

2015: Mike Deas

2016: Eli Ateljevich

2017: Rich Juricich

2018: Saquib Najmus
& Ali Taghavi

2019: Chuck Young
& Andy Draper

2023: Michael MacWilliams

2024: Ed Gross

2025...

2025 Hugo B. Fischer Award Winner

Dr. Stacy Tanaka



Dr. Stacy Tanaka

- Senior Engineer, Watercourse Engineering
- PhD, Civil & Environmental Engineering, UC Davis, 2007
- MS, Civil & Environmental Engineering, UC Davis, 2001
- BS, Civil & Environmental Engineering, UC Davis, 2000

Professional Highlights:

- Over 20 years of experience in modeling, teaching, and research
- Developed eSTREAM model for LADWP and interested parties to model operational strategies in the Mono Basin
- Developed Joint Use Water Balance Model (JUWBM) to support integrated recycled water management in Sonoma County
- Applied CALVIN model for studies of Delta operations and policy alternatives, water markets, and climate change
- Authored or co-authored many peer-reviewed publications

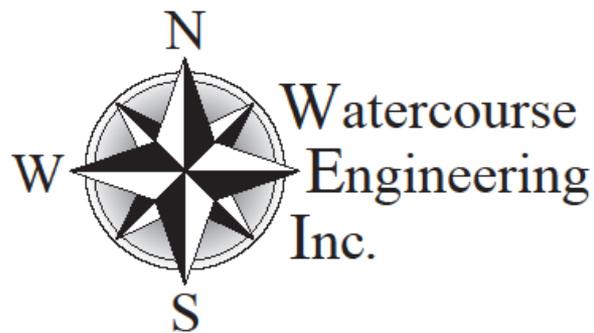
Dr. Stacy Tanaka

In recognition of the significance of your work in developing models advancing water management and environmental protection at local, regional, and state scales in California. Your achievements include the development of the eSTREAM model for Mono Basin planning, the Joint Use Water Balance Model for recycled water management in Sonoma County, and the statewide CALVIN hydro-economic model. Your deliberate and comprehensive approach to system understanding, modeling representation, testing, and documentation serves as an excellent example of how to create high confidence among agencies and the public. Much of the modeling and management of water concerns local and regional issues, so we celebrate your contributions to support inclusive decision-making. CWEMF also appreciates your longstanding service as Treasurer and active Steering Committee member who is essential to our organization.

2025 Annual Meeting Sponsors: Monday Evening Social



2025 Annual Meeting Sponsors: Tuesday Social & Poster Session



2025 Annual Meeting Sponsors

Lunches

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THANK YOU!