



California Water and Environmental Modeling Forum

Promoting Excellence and Consensus in Water and Environmental Modeling

P.O. Box 5051, Vacaville, CA 95696 ♦ 916-850-3110 ♦ cwemf@cwemf.org ♦ www.cwemf.org

Call for Nominations: 2020 Hugo B. Fischer Award

The California Water and Environmental Modeling Forum (CWEMF) is seeking nominations for its annual Hugo B. Fischer Award, which is made in honor of Dr. Hugo B. Fischer's pioneering work on water quality modeling for the Bay-Delta system. The award was conceived and endowed by Lyle Hoag, retired Executive Director of California Urban Water Agencies and co-founder of CWEMF; the award is also supported by the Fischer family. The 2020 Hugo B. Fischer Award will be presented at the CWEMF's Annual Meeting, which is being held at the Lake Natoma Inn in Folsom, California from Monday, April 13, through Wednesday, April 15, 2020. The award was given to Drs. Andy Draper and Charles Young in 2019. Previous winners are posted on the CWEMF website at <http://www.cwemf.org/>

AWARD CRITERIA

The Hugo B. Fischer Award recognizes pioneering contribution(s) to the use of modeling for understanding or solving California water problems. Specifically, nominations should recognize:

- Innovative development, refinement, or application of a computer model; and/or
- Significant furtherance of the effective use of models in open forums for planning or regulatory functions that benefit California water stakeholders and decision makers.

All nominations should be for work that is readily available for public scrutiny. For models that are proprietary or copyrighted, sufficiently detailed documentation must be publicly available and substantial results must have been presented and reviewed in public forums.

NOMINATION REQUIREMENTS

Nominees and nominators need not be CWEMF members. Nominations must consist of a:

- Letter of nomination clearly identifying the nominee and nominator;
- Resume of the nominee
- Brief statement describing the significance of the nominated modeling contribution;
- Statement addressing the level of technical review and acceptance of the contribution among various parties including, but not limited to, local, state, and federal agencies;
- Statement describing, in moderate detail, how the contribution addresses the award criteria; and
- Short list of any publications relevant to the nomination.

Nominations will not be considered unless all of the materials described above are submitted.

Submit nomination materials by email to the CWEMF Executive Director: paul.hutton@tetrattech.com
Nominations must be received no later than Friday, November 22, 2019. Previous year nominations will be carried over to the following year for consideration.



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Call for Nominations: 2020 Career Achievement Award

The California Water and Environmental Modeling Forum (CWEMF) is seeking nominations for its annual Career Achievement Award. The 2020 Career Achievement Award will be presented at the CWEMF's Annual Meeting, which is being held at the Lake Natoma Inn in Folsom, California from Monday, April 13, through Wednesday, April 15, 2020. The award was given to Dr. Jobaid Kabir in 2019. Previous winners are posted on the CWEMF website at <http://www.cwemf.org/>

AWARD CRITERIA

The CWEMF Career Achievement Award is given to individuals for significant and sustained contributions during their career in developing, using or promoting computer modeling to analyze California's water-related problems. Specifically, nominations should recognize significant and sustained contribution(s) in:

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

NOMINATION REQUIREMENTS

Nominees and nominators need not be CWEMF members. Nominations must consist of a:

- Letter of nomination clearly identifying the nominee and nominator;
- Resume of the nominee
- Brief statement describing the nominee's modeling contributions;
- Statement addressing the level of acceptance of the contributions among various parties;
- Statement describing, in moderate detail, how the contributions address the award criteria; and
- Short list of any publications relevant to the nomination.

Nominations will not be considered unless all of the materials described above are submitted.

Submit nomination materials by email to the CWEMF Executive Director: paul.hutton@tetrattech.com
Nominations must be received no later than Friday, November 22, 2019. Previous year nominations will be carried over to the following year for consideration.

Example Award Nomination Letter

I would respectfully like to nominate professors Jay R. Lund and Richard E. Howitt for the 2008 Fischer Award. Drs. Lund and Howitt are the principal investigators that lead the development and application of a large-scale economic-engineering optimization model for California, CALVIN. The CALVIN model provides a tool for integrated analysis of California's statewide water supply system that couples traditional water supply criteria and economic considerations. In 2007, Drs. Lund and Howitt were principal authors and contributors to a study on "Envisioning Futures for the Sacramento-San Joaquin Delta" published by the Public Policy Institute of California. The nine future visions for the Delta presented in that report spanned a gamut of possibilities including maintaining current conditions, changing Delta conveyance internally with armored levees or externally with a peripheral canal, focusing on ecological solutions, or abandoning the Delta. The CALVIN model was used to provide quantitative comparisons of these alternatives. The report was widely read and has served as a catalyst for discussion among legislators, agencies and other Delta stakeholders.

In addition to the recent Delta studies, the CALVIN model has been used for a variety of additional applications including:

*Exploring restoration alternatives for Hetch Hetchy Reservoir (Note: Sacramento Bee writer Tom Philp won a Pulitzer Prize for his write up of the study

<http://cee.engr.ucdavis.edu/faculty/lund/CALVIN/HetchHetchy/Pulitzer.pdf>)

*Water Supply Analysis for Restoring the Colorado River Delta

*Potential effects of climate change on management of California's water supply systems

Thus, for their unique contribution to the California water resources community of a tool (CALVIN) that jointly considers water supply and economic factors, their innovative applications of CALVIN, and their contributions to public awareness of Delta issues and potential solutions, I would like to nominate professors Jay R. Lund and Richard E. Howitt for the 2008 Fischer award.

Selected Journal Articles:

Medellin-Azuara, J., J.J. Harou, M.A. Olivares, K. Madani-Larijani, J.R. Lund, R.E. Howitt, S.K. Tanaka, M.W. Jenkins, and T. Zhu, "[Adaptability and Adaptations of California's Water Supply System to Dry Climate Warming](#)," *Climatic Change*, 2008.

Medellín-Azuara, J., J.R. Lund, and R.E. Howitt, "[Water Supply Analysis for Restoring the Colorado River Delta, Mexico](#)," *Journal of Water Resources Planning and Management*, ASCE, Vol. 133, No. 5, pp. 462-471, September/October 2007.

Tanaka, S.K., T. Zhu, J.R. Lund, R.E. Howitt, M.W. Jenkins, M.A. Pulido, M. Tauber, R.S. Ritzema and I.C. Ferreira, "[Climate Warming and Water Management Adaptation for California](#)," *Climatic Change*, Vol. 76, No. 3-4, June 2006.

Reference websites:

PPIC report on "Envisioning Futures for the Sacramento-San Joaquin Delta"
<http://www.ppic.org/main/publication.asp?i=671>

CALVIN model: <http://cee.engr.ucdavis.edu/faculty/lund/CALVIN/>

Jay Lund's website which includes a resume and list of publications:
<http://cee.engr.ucdavis.edu/faculty/lund/>