



California Water and Environmental Modeling Forum

Promoting Excellence and Consensus in Water and Environmental Modeling

P.O. Box 22529, Sacramento, CA 95822 • 916-833-6557 • cwemf@cwemf.org • www.cwemf.org

January 18, 2012

To the CWEMF Membership,

At last - we're ready to announce CWEMF's Annual Meeting location and dates, and that we've been successful in resurrecting our interactions with the Interagency Ecological Program (IEP). The Annual Meeting will be held at the Lake Natoma Inn April 16 - 18, 2012. The Lake Natoma Inn is adjacent to the American River Parkway and near Historic Folsom. Although we'll certainly miss Asilomar this year, reports on previous IEP meetings at the Lake Natoma Inn have been quite positive. The IEP-CWEMF joint session will be held Wednesday April 18th and will include a joint poster session.

To ensure that all of our members have the opportunity to present their work we have several presentation options:

1. Organize and moderate a 1 ¾ hour Session with 3 or 4 speakers.
2. "Stand-alone" talks – CWEMF will try to organize these speakers into sessions.
3. Our popular 5-minute "Pop-up talks" – we'll have two sessions dedicated to these presentations – you can schedule in advance or wait 'till the last minute if there are openings left.
4. Posters – the joint poster session with IEP is a new opportunity to present a poster to a wider audience; we have incentives for students to present their research this way.

Please let us know by February 6, 2012 if you'd like to either moderate an entire Session (Option 1) or if you have a talk or a recommendation for a "Stand alone" talk (Option 2) - email us at cwemf@cwemf.org with "2012 Annual Meeting Talk" in the subject line, and with a session title and speakers or a talk title and brief description in the body of the email. We'll make a second call for Pop-ups and posters closer to the meeting date.

We are still working on details related to the format of the 3-day program, the joint CWEMF-IEP program, registration fees, lodging, and student scholarships. We will be sending more information to members in a couple of weeks and expect to have the registration form on the CWEMF website by February 1st. The final Agenda for the meeting will be posted on the CWEMF website in late March.

Finally, I've attached information and instructions for submitting nominations for CWEMF Awards: the Hugo B. Fischer Award and the Career Achievement Award. Nominations are due February 17, 2012.

Hope to see all of you in April,

A handwritten signature in black ink that reads "Marianne Guerin". The signature is fluid and cursive.

Marianne Guerin, CWEMF Convener



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Call for Nominations for the 2012 CWEMF Awards

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, who was a co-founder of CWEMF. The 2011 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 (near Sacramento) from Monday, April 16 through Wednesday, April 18, 2012.

The award was given to Russell Brown in 2011. Previous winners are presented below.

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.

NOMINATIONS

Nominations shall be submitted by email to cwemf@cwemf.org or letter to:

CWEMF
c/o Paul Hutton, Chair
Hugo B. Fischer Award Selection Committee
P.O. Box 22529, Sacramento, CA 95822

Nominations must be received no later than Friday, February 17, 2012. The previous year's nominations will be carried over to the following year for consideration. Nomination materials will not be returned.

CWEMF
Hugo B. Fischer Award Winners

Year	Award Winner(s)
2011	Russell Brown—ICF International
2010	No award given.
2009	Pete Smith—U.S. Geological Survey (Scientist Emeritus)
2008	Jay Lund—University of California, Davis Richard Howitt—University of California, Davis
2007	John DeGeorge—Resources Management Associates
2006	Paul Hutton—Metropolitan Water District of Southern California Carl Chen—Systech Engineering, Inc.
2005	No award given.
2004	Tom Heinzer—U.S. Bureau of Reclamation
2003	Dr. Emin C. Dogrul—California Department of Water Resources
2002	Dr. Gerald Orlob—University of California, Davis
2001	Armin Munevar—California Department of Water Resources
2000	Kamyar Guivetchi—California Department of Water Resources Dwight Russell—California Department of Water Resources
1999	Walter Bourez III—Surface Water Resources, Inc. Jack Rowell—U.S. Bureau of Reclamation
1998	No award given.
1997	Dr. Francis Chung—California Department of Water Resources Dr. Gregory Gartrell—Contra Costa Water District
1996	Dr. Ralph Cheng—U.S. Geological Survey
1995	Dr. Richard Denton—Contra Costa Water District Dr. Alan Jassby—University of California, Davis

Career Achievement Award

The California Water and Environmental Modeling Forum (CWEMF) is seeking nominations for its annual Career Achievement Award, which 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. The 2011 Career Achievement Award will be presented at the CWEMF's Annual Meeting, which is being held at the Lake Natoma Inn in Folsom, California (near Sacramento) from Monday, April 16 through Wednesday, April 18, 2012.

Previous CWEMF Career Achievement Award winners were Lyle Hoag in 2004, Maury Roos in 2005, George Barnes in 2006, Daryl Davis in 2007, Lloyd Peterson in 2008, Ray Hoagland in 2009, Richard Denton in 2010, and Miguel Marino in 2011.

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.

NOMINATIONS

Nominations shall be submitted by email to cwemf@cwemf.org or letter to:

CWEMF
c/o Paul Hutton, Chair
Career Achievement Award Selection Committee
P.O. Box 22529
Sacramento, CA 95822

Nominations must be received no later than Friday, February 17, 2011. The previous year's nominations will be carried over to the following year for consideration. Nomination materials will not be returned.

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*, in press.

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. (Cited in the 2007 IPCC report)

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/>