

# Hugo B. Fischer Award



California Water and  
Environmental Modeling Forum

April 16, 2012

# 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
  - Co-founder of CWEMF



# Hugo B. Fischer

- B.S. (1958), M.S. (1963) & Ph.D. (1966) from California Institute of Technology
- Professor of Civil Engineering at U.C. Berkeley until 1983
- World-renowned authority in
  - Salt water intrusion
  - Water pollution
  - Heat dispersion in waterways
  - Mixing of rivers & oceans

# Hugo B. Fischer Award

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



# Past Fischer Award Winners

- 1995 - Dr. Alan Jassby (UCD); Dr. Richard Denton (CCWD)
- 1996 - Dr. Ralph Cheng (USGS)
- 1997 - Dr. Greg Gartrell (CCWD); Dr. Francis Chung (DWR)
- 1999 - Walter Bourez III (SWRI); Jack Rowell (USBR)
- 2000 - Dwight Russell (DWR); Kamyar Guivetchi (DWR)
- 2001 - Armin Munevar (DWR)
- 2002 - Dr. Gerald Orlob (UCD)
- 2003 - Dr. Emin Dogrul (DWR)
- 2004 - Tom Heinzer (USBR)
- 2006 - Dr. Carl Chen (Systech); Dr. Paul Hutton (MWDSC)
- 2007 - Dr. John DeGeorge (RMA)
- 2008 - Dr. Jay Lund (UCD); Dr. Richard Howitt (UCD)
- 2009 - Dr. Peter Smith (USGS)
- 2011 - Dr. Russell Brown (ICF)

# 2012 Hugo B. Fischer Award Winner

Nancy Parker  
U.S. Bureau of Reclamation



# Nancy Parker

- B.S.E. Systems Science & Engineering, University of Pennsylvania, 1985
- M.S.E. Civil Engineering, University of Colorado at Denver, 1996
- USBR Mid-Pacific Region, 1990-Present

# Nancy Parker

## Significant Contributions

- Played a key role in developing CalSim and CalLite with accurate representations of the CVP and its interaction with the SWP.
- Adapted the Water Resource Integrated Modeling System (WRIMS) and applied it to the Klamath Basin Restoration Agreement and the Klamath Dam removal studies. This application is being used to test the new WRIMS2.



# 2012 Hugo B. Fischer Award Winner



Nancy Parker  
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# Nancy Parker

*In recognition of your leadership role in the development and application of models -- CalSim, Water Resources Integrated Modeling System (WRIMS), and CalLite – for decision support in California water management. In particular CWEMF recognizes your efforts in developing the Central Valley Project logic that is used in CalSim II. Your work has allowed the California Department of Water Resources and the U.S. Bureau of Reclamation to jointly develop, release, and successfully apply CalSim II as general water resources planning software.*