Hugo B. Fischer Award

California Water and Environmental Modeling Forum
March 9, 2015
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

- 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 Hugo B. Fischer Award recognizes pioneering contribution(s) to the use of modeling for understanding or solving California water problems

• 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)
Past Fischer Award Winners

- 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 - Nancy Parker (USBR)
- 2013 – Dr. Nigel Quinn (LBNL, USBR)
- 2014 – Dan Easton (MBK Engineers)
- 2015 - ?
2015
Hugo B. Fischer Award Winner

Mike Deas
Watercourse Engineering
Mike Deas

- 2000 – Ph.D. in Civil Engineering at UC Davis.
- 1989 – MS, Major in Water Resources Management at UC Davis
- 1986 - BS, Major in Civil Engineering, UC Davis

- President, Watercourse Engineering, Inc. since it’s founding in 2001
- 1998 – Began career as a Consulting Engineer
- 1991, 1993 – Consulting Engineer at Los Angeles Department of Water and Power

- Expert on water quality issues in Northern California and Central Valley Systems
Mike Deas

In recognition of your significant technical contributions to the development and application of water quality models, including the Water Temperature Transaction Tool (W3T), your application of equilibrium temperature models to analyze systems lacking long-term data sets, your work on large-scale water temperature management problems, and your modeling work, including nutrients, in the Klamath and Mono Basins.

CWEMF also recognizes your skill as a collaborator which you have demonstrated on many projects and also your use of models to work through contentious issues with stakeholder groups.
2015
Hugo B. Fischer Award Winner

Mike Deas
Watercourse Engineering