

Hugo B. Fischer Award



California Water and
Environmental Modeling Forum
April 22, 2013

Hugo B. Fischer Award

- In honor of Dr. Fischer's pioneering work on San Francisco Bay-Delta hydrodynamics and 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 - Nancy Parker (USBR)

2013

Hugo B. Fischer Award Winner

Dr. Nigel Quinn

Berkeley National Laboratory

U.S. Bureau of Reclamation

Dr. Nigel Quinn

- B.S. (Honors) Agricultural Engineering, Cranfield University, England, 1977
- M.S. Agricultural and Civil Engineering, Iowa State University, Ames, 1981
- Ph.D. Water Resources Systems Engineering, Cornell University, 1987
- Berkeley National Lab Staff Scientist & USBR Division of Planning Water Resources Engineer/Cooperator, 1990-Present

Dr. Nigel Quinn

Significant Contributions

- Contributed to a greater understanding of hydrology and salinity in the lower San Joaquin Valley through broad contributions in real time data management, decision support tool development, and hydrology and water quality forecasting.
- Leadership role in developing the WADE (economics), WETMANSIM (hydrology and water quality), and WESTSIM (surface-groundwater) models.

Dr. Nigel Quinn

In recognition of your broad and significant contributions in real time data management, decision support tool development, and hydrology and water quality forecasting. Your leadership role in developing the Westside Agricultural Drainage Economics Model, the Wetland Management Simulator Model and the Westside Surface Groundwater Simulation Model has led to greater understanding of hydrology and salinity in the lower San Joaquin Valley.

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Dr. Nigel Quinn

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