California Water and Environmental Modeling Forum

Promoting Excellence and Consensus in Water and Environmental Modeling

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**CWEMF 2009 Hugo B. Fischer Award Presented to Dr. Pete Smith of the U.S. Geological Survey—Scientist Emeritus**

The California Water and Environmental Modeling Forum (CWEMF) presented the 2009 Hugo B. Fischer Award to Dr. Pete Smith of the U.S. Geological Survey—Scientist Emeritus. The Hugo B. Fischer Award is made in honor of Dr. Hugo B. Fischer's pioneering work on water quality modeling for the Bay-Delta system. Dr. Fischer, who was a professor of civil engineering at the University of California, Berkeley from 1966 until his death in 1983, was a recognized authority in salt-water intrusion, water pollution, heat dispersion in waterways, and the mixing of rivers and oceans. The award was conceived and endowed by Lyle Hoag, retired Executive Director of California Urban Water Agencies, who was a co-founder of the CWEMF.

The Hugo B. Fischer Award recognizes pioneering contributions 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.

The 2009 Hugo B. Fischer Award was presented to Smith at CWEMF's Annual Meeting held February 23 through February 25, 2009 in Asilomar, California. The previous winners of the award are presented below.

The CWEMF recognized Smith for his significant contributions in the development and application of the Si3D Model to simulate density-driven circulation and salt transport in San Francisco Bay, detailed hydrodynamics at the Delta Cross Channel and temperature structure with wind- and density-driven circulation patterns in Clear Lake and Lake Tahoe. He was also recognized for his co-development of a suite of interactive visualization tools for processing of modeling data. Smith received his B.S. in civil engineering from Villanova University in 1974, M.S. in civil engineering from Colorado State University in 1976 and Ph.D. in Civil and Environmental Engineering in 1997 from U.C. Davis. He was employed as a Research Hydrologist with the U.S. Geological Survey from 1983 until his retirement in 2008.

Smith Photo