

Career Achievement Award

California Water and
Environmental Modeling Forum
April 22, 2013

Career Achievement Award

- Awarded to individuals for significant contributions over their career in developing, using or promoting computer modeling to analyze California's water-related problems.
- Recognizes significant and sustained contributions in California water management through:
 - Increasing the usefulness of models
 - Promoting sound quantitative analyses
 - Raising public awareness and improving public acceptance of the role of modeling

Past Career Achievement Award Recipients

- 2004 – Lyle Hoag, CUWA (CWEMF Co-Founder)
- 2005 – Maury Roos, DWR
- 2006 – George Barnes, DWR
- 2007 – Daryl Davis, USACE HEC
- 2008 – Lloyd Peterson, USBR
- 2009 – Ray Hoagland, DWR
- 2010 – Dr. Richard Denton, CCWD
- 2011 – Dr. Miguel Mariño, UCD

2013
Career Achievement Award
Winner

Dr. Sushil Arora
DWR

Dr. Sushil Arora

- Academics

- B.S., College of Agricultural Engineering, P.A.U. India, 1970
- M.S., College of Agricultural Engineering, P.A.U. India, 1975
- Ph.D., College of Engineering, U.C. Davis, 1981

- Professional

- 1970-77 – Dept. Agricultural Engineering, P.A.U. India
- 1981-2013 – Chief, DWR Bay-Delta Office Central Valley Water Resources System Modeling Section
- 1984-99 – Adjunct Professor, CSU Sacramento

Dr. Sushil Arora

Overview of Notable Contributions

- Managed a staff of 20 professionals in the development, maintenance and applications of Central Valley water system planning and management models for approximately 25 years
 - DWRSIM
 - CalSim I, CalSim II, CalSim III (yet to be released)
 - CalLite
 - IWFM
- Liaison between modeling staff and DWR management, State Water Contractors, NGOs, policy makers, consultants, and the public-at-large

Dr. Sushil Arora

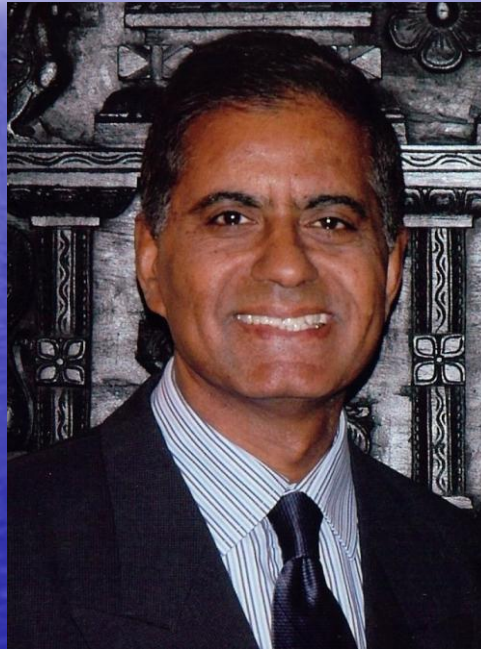
Overview of Notable Contributions (cont'd)

- Provided modeling support for several DWR programs, including:
 - Environmental Documents (e.g. Bay-Delta Conservation Plan EIR)
 - SWRCB Workshops, Proceedings & Accords
 - CVP-SWP Operations Criteria & Plans (OCAP)
 - Division of Operations & Maintenance forecasting tool development
 - California Water Plan updates
 - SWP Delivery Reliability Report updates
- Trained over 30 modeling professionals who have since moved on to other DWR units, water districts, and consulting firms

Dr. Sushil Arora

In recognition of your significant and sustained contributions during his more than 30 years in the water resources field with the California Department of Water Resources. Your leadership role was instrumental in the development, maintenance, and application of water resources system planning and management models for the State Water Project and Central Valley Project, including the SWP-CVP Reservoir System Operation Models (CalSim and CalLite) and the Surface-Groundwater Model IWFM. You also contributed to California water management through your leadership role in staff training and public workshops and successfully collaborated with state and federal water agencies, water contractors, and consultants.

2013 CWEMF Career Achievement Award Recipient



Dr. Sushil Arora
DWR