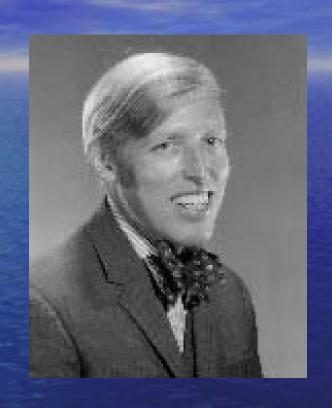# Hugo B. Fischer Award



## California Water and Environmental Modeling Forum

February 27, 2007

# Hugo B. Fischer Award

- In Honor of Dr. Fischer's Pioneering Work on SF Bay-Delta WQ Modeling

- Conceived & Endowed by Lyle Hoag
  - Retired Executive Director of CUWA
  - Co-Founder of the Modeling Forum

# 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 till 1983
- World-Renown Authority
  - 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)
- 1998-No Award
- 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)
- 2005-No Award
- 2006-Dr. Carl Chen/Dr. Paul Hutton

# 2007
# Hugo B. Fischer Award Winner

Dr. John DeGeorge

Resources Management Associates, Inc.

# Dr. John DeGeorge Significant Contributions

- Furthering the creative use of models and model user interfaces

- Developing model applications at the cutting edge of our craft

- Development of a new generation of model codes for the USCOE HEC

# Dr. John DeGeorge

- Ph.D. in Civil Engineering from U.C. Davis in 1996
- Graduate Studies
  - Computational fluid mechanics
  - Water quality modeling

# Dr. John DeGeorge

- Vice-President of RMA in Fairfield, CA
- Since 1993, with RMA developing model applications that include
  - Hydrodynamics
  - Sediment transport
  - Water quality

# Dr. John DeGeorge

- Recent Projects :
  - Flooded Island Pre-Feasibility Study
  - Evaluation of Through Delta Facility/Delta Cross Channel/Franks Tract Alternatives
  - Delta Risk Management Strategy (DRMS)

# Dr. John DeGeorge

- Developed computational engines and user interface software

  - RMA finite element models
  - HEC-ResSim
  - HEC-DSSVue
  - HEC-WAT
  - CWMS

# 2007
# Hugo B. Fischer Award Winner

## Dr. John DeGeorge
## Resources Management Associates