# Jeffrey Russell Koseff

William Alden Campbell and Martha Campbell Professor of Engineering
Senior Fellow and Founding Perry L. McCarty Director, Stanford Woods Institute for the Environment

Jeffrey Koseff, the Founding Perry L. McCarty Director, Stanford Woods Institute for the Environment at Stanford University, has been instrumental in developing the vision for the interdisciplinary work on environmental issues at Stanford. The William Alden and Martha Campbell Professor of Engineering, Professor Koseff served on the Provost Committee for the Environment and the advisory committees for the undergraduate Earth Systems Program; the Goldman Interschool Honors Program in Environmental Science, Technology and Policy; the Global Climate and Energy Project; and the Interdisciplinary Graduate Program in Environment and Resources.

After joining the faculty of the Department of Civil and Environmental Engineering in 1984, Koseff was promoted to full professor in 1996. He served as Director of the Environmental Fluid Mechanics Laboratory from 1991 to 1996, after a 6-year stint as Assoc. Dir. In 1995 Koseff was appointed as Chair of Civil and Environmental Engineering (CEE) and served in this capacity until September 1999, when he assumed the role of Senior Associate Dean of the School of Engineering until December, 2002. Prior to coming to Stanford as a graduate student in 1977, Koseff worked as a consulting engineer in South Africa, where he was born and educated initially.

Koseff's research area falls in the interdisciplinary domain of environmental fluid mechanics and focuses on the interaction between physical and biological systems in natural aquatic environments. His research activities are in the general area of environmental fluid mechanics and focus on: turbulence and internal wave dynamics in stratified flows, transport and mixing in estuarine systems, phytoplankton dynamics in estuarine systems, coral reef and kelp-forest hydrodynamics, chemical sensing in the marine environment, and coastal upwelling processes. Long-term research projects include understanding the transport of mass and momentum in estuarine systems such as San Francisco Bay, and understanding how the coral reef systems of the Red Sea and Hawaii and the kelp forest systems of California function.

He is the recipient of the Knapp Award in Fluids Engineering from the American Society of Mechanical Engineering (ASME), and an outstanding service award from the American Society of Civil Engineering (ASCE). Professor Koseff has been the recipient of a number of teaching awards at Stanford, including the Stanford School of Engineering Tau Beta Pi Award for excellence in undergraduate teaching (1989), an ASSU Outstanding Teaching Award (1992), the Rhodes Award for Excellence in Undergraduate Teaching (1993), the Eugene L. Grant Award (1995 and 2011), and ASSU Teacher of the Year –Honorable Mention (2007). In 1994 he was named a University Fellow, and in 1995 he was named a 3-year Bing Teaching Fellow at Stanford. Professor Koseff was a Gledden Visiting Senior Fellow at the Centre for Water Research at the University of Western Australia in 1991. In 2015 Koseff was elected as a Fellow of the American Physical Society and he received the Richard W. Lyman Award from Stanford University.

Koseff has served on the Board of Governors of The Israel Institute of Technology, and has been a member of the Visiting Committees of the Civil and Environmental Engineering department at Carnegie-Mellon University, The Iowa Institute of Hydraulic Research, and The WHOI-MIT Joint Program. He is a former member of the Independent Science Board of the Bay/Delta Authority.