

## Arturo A. Keller



Dr. Keller received his M.S. and Ph.D. degrees in Civil and Environmental Engineering from Stanford University. He holds a B.S. in Chemical Engineering and a B.A. in Chemistry from Cornell University. Dr. Keller has over 30 years of experience in projects involving wastewater treatment, hazardous waste handling and management, pollution prevention and minimization, recycling and process modifications to reduce emissions. He is currently a Professor at the University of California in Santa Barbara, teaching at the graduate-level Bren School of Environmental Science and Management. His research interests include fate and transport of organic pollutants, as well as the development of innovative remediation technologies and pollution management strategies.

Dr. Keller is co-Director of the NSF and USEPA funded UC Center for the Environmental Implications of Nanotechnology (CEIN), funded for 10 years for a total of \$48M, which is dedicated to providing key information for addressing and managing any risks that may arise during the use of nanotechnology. Dr. Keller leads the group studying fate & transport, exposure and life cycle assessment of nanomaterials. In addition, Dr. Keller has developed several applications of nanotechnology to treat contaminated water sources and soils. In recognition of his contributions in this area, in 2015 Dr. Keller received the Agilent Thought Leadership award (\$1.5M).

Dr. Keller is also a co-Director of the USEPA funded Chemical Life Cycle Collaborative, which seeks to develop a framework to make early predictions of the life-cycle implications of a new chemical or material, based on the chemical structure, applications and use characteristics. This \$4.8M grant began in 2014.

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