

Yoram Cohen



Biography: Dr. Cohen is a UCLA Professor of Chemical & Biomolecular Engineering (CBE) since 1981, where he is also on the faculty of the Institute of the Environment & Sustainability, UCLA Luskin Scholar, Director of the Water Technology Research (WaTeR), and co-founder of the UCLA/NSF Center for Environmental Implications of Nanotechnology (CEIN). Dr. Yoram Cohen received his B.A.Sc., M.A.Sc., in 1975 and 1977, respectively, both in Chemical Engineering, from the University of Toronto, and his Ph.D. in 1981 from the University of Delaware. He is a recognized expert in the areas of water purification and desalination, membrane separation processes, and environmental impact assessment, with over 225 published research papers and book chapters. Dr. Cohen has contributed to policy and regulatory efforts focused on environmental protection and economics of water reuse and has an active program devoted to assisting disadvantaged communities

develop clean drinking water resources. He developed patented technologies for smart water treatment and desalination system, high recovery reverse osmosis desalting, membrane monitoring, surface nano-structured membranes for water decontamination and desalination, in addition to software for environmental impact assessment.

Biographical Sketch: Dr. Yoram Cohen received his B.A.Sc., M.A.Sc., in 1975 and 1977, respectively, both in Chemical Engineering, from the University of Toronto, and his Ph.D. from the University of Delaware in 1981. He has been on the Faculty of Chemical and Biomolecular Engineering at the University of California, Los Angeles (UCLA) since 1981. He is also on the Faculty of the UCLA Institute of the Environment and Sustainability and Adjunct Professor at Ben-Gurion University. He was a Visiting Professor at the Technion (1987-1988), at Universitat Rovira i Virgili (1944) and a Distinguished Visiting Professor at Victoria University (2006). He is a founder and Director of the Water Technology Research Center and Interim Director of the UCLA Younes and Soraya Nazarian Center for Israel Studies. He is also a co-founding member of the UCLA/National Science Foundation (NSF) Center for the Environmental Implications of Nanotechnology (CEIN) which received the 2012 California Governor's Award in Green Chemistry. Dr. Cohen is a UCLA Luskin Scholar and a recipient of the 2008 Ann C. Rosenfield Community Partnership Prize in recognition of his environmental research. He received the 2003 Lawrence K. Cecil award in Environmental Chemical Engineering from the American Institute of Chemical Engineers (AIChE), the AIChE Separations Division Outstanding Paper Award (1997 and 2009), and was elected Fellow of the AIChE in 2009. In 2008 he received a County of Los Angeles Commendation, a State of California Senate Certificate of Recognition, and a Certificate of Special Congressional Recognition (US) for contributing to legislation to protect public health and dedicated service to the Los Angeles community. Dr. Cohen has contributed to policy and regulatory environmental protection efforts, promoting water reuse, and assisting disadvantaged communities develop clean drinking water resources. Dr. Cohen served as Chair of the AIChE Environmental Division (2002) and of the Separations Division (2008). He published over 225 research papers and book chapters, presented over 400 papers in scientific conferences and gave over 170 invited talks on water technology, water desalination, separations processes, membrane technology, transport phenomena, polymer science, surface nano-structuring and environmental engineering. He is also the Editor of three environmental volumes. Dr. Cohen developed patented technologies for water treatment and desalination, membrane synthesis, high recovery brackish water desalination, membrane process monitoring, chemical sensors, surface nano-structuring with polymers, and developed models and software for environmental impact assessment and nanoinformatics. His water technology research focuses on distributed smart water systems, optimization and control of water treatment systems, RO/NF membrane development, membrane process monitoring, and mobile water treatment systems for remote communities. He has served on numerous Government Advisory Committees (including the USEPA Science Advisory Board and the NRC Board on Environmental studies and Toxicology) and the 2011 Blue Ribbon Committee of the Metropolitan Water District of Southern California. Dr. Cohen organized over thirty scientific conferences including the 2008 International Congress on Membranes and membrane processes (ICOM), the 2002 North American Membrane Society (NAMS) meeting, 2013 and 2015 Nanoinformatics workshops, the 2013 West Coast Water Reuse workshop, and the 2009 and 2010 West Coast Water Technology Transfer workshops. He is currently Co-Chair of the 2016 NAMS meeting, and was the Meeting Program Chair of the 2010 Annual AIChE Meeting. He is a member of a number of professional societies including the, AIChE, ACS, NAMS, IDA, AWWA and AMTA, in addition to being an active member in the national and international nanoinformatics efforts.