

Mark Z. Jacobson



Mark Jacobson is Director of the Atmosphere/Energy Program and Professor of Civil and Environmental Engineering at Stanford University. He is also a Senior Fellow of the Woods Institute for the Environment and Senior Fellow of the Precourt Institute for Energy. He received a B.S. in Civil Engineering with distinction, an A.B. in Economics with distinction, and an M.S. in Environmental Engineering from Stanford University, in 1988. He received an M.S. in Atmospheric Sciences in 1991 and a PhD in Atmospheric Sciences in 1994 from UCLA. He has been on the faculty at Stanford since 1994.

His work relates to the development and application of numerical models to understand better the effects of energy systems and vehicles on climate and air pollution and the analysis of renewable energy resources. He has published two textbooks and 115 peer-reviewed scientific journal articles. He received the 2005 American Meteorological Society Henry G. Houghton Award for “significant contributions to modeling aerosol chemistry and to understanding the role of soot and other carbon particles on climate.” He co-authored a 2009 cover article in *Scientific American* with Dr. Mark DeLucchi of U.C. Davis on how to power the world with renewable energy. In 2010, he was appointed to the Energy Efficiency and Renewables Advisory Committee by the U.S. Secretary of Energy.

His presentation on: **Powering the world for all purposes with wind, water, and sunlight (WWS)**