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Dr. Eric M.V. Hoek is a Professor in the Department Civil & Environmental Engineering at UCLA. Prof. Hoek is also a faculty member of the California NanoSystems Institute, the UC Center for Environmental Implications of Nanotechnology, and the UCLA Water Technology Research Center. Dr. Hoek's research explores the union of nanomaterials and membrane technologies for more efficient water purification, energy production, and environmental protection – all keys to a more sustainable future. In the past decade, Dr. Hoek and his students have published more than 60 peer-reviewed journal articles in journals such as *Nature Materials*, *Nano Letters*, *ACS Nano*, *Environmental Science & Technology*, *Energy & Environmental Science*, *Langmuir*, *Journal of Membrane Science*, and *Desalination*. Dr. Hoek also has 9 patents awarded (or pending), which have lead to several startup water technology companies including NanoH₂O and Water Planet Engineering. Dr. Hoek recently received the 2011 ASCE Walter L. Huber Award for Achievements in Civil Engineering Research.