



David Cahen

David Cahen studied chemistry & physics at the Hebrew Univ. of Jerusalem (HUJ), Materials Research and Phys. Chem. at Northwestern Univ, and biophysics of photosynthesis (as postdoc) at the HUJ and Weizmann Inst. of Science (WIS). Afterwards he joined the WIS, focusing on photoelectrochemical and solid-state photovoltaics(PV). This expanded into studying chemical aspects of electronic materials, including fundamental limits to device miniaturization and stability, which provided significant scientific bases for 2nd generation PV development. Currently he tries understanding how simple organic and complex biomolecules (e.g., proteins) can function as optoelectronic materials and work in devices, and works to improve understanding practical PV systems, to make them attractive energy alternatives.

Recent honors include the 2008 Landau Prize for Chemistry and 2012 Israel Chem.Soc. research excellence Prize. He is an AVS and MRS fellow, directs the WIS' Alternative Sustainable Energy Research Initiative and holds the Schaefer Chair in Energy Research. With D. Ginley he edited the MRS/Cambridge Un. Press textbook on *Fundamentals of Materials for Energy and Environmental Sustainability*.