

Dr. Arthur J. Nozik is a Senior Research Fellow at the U.S. DOE National Renewable Energy Laboratory (NREL), and Professor Adjoint in the Department of Chemistry and Biochemistry at the University of Colorado, Boulder. Nozik is Associate Director of a joint Los Alamos/NREL Energy Frontier Research Center for DOE, called Center for Advanced Solar Photophysics. Nozik received his BChE from Cornell University in 1959 and his PhD in Physical Chemistry from Yale University in 1967. Dr. Nozik's research interests include size quantization effects in semiconductor quantum dots and quantum wells, including multiple exciton generation from a single photon; and the applications of unique effects in nanostructures to advanced approaches for solar photon conversion to electricity and solar fuels; He has published over 225 papers and book chapters in these fields, written or edited 5 books, holds 11 U.S. patents, and has delivered over 300 invited talks at universities, conferences, and symposia. He received the 2011 ACS Esselen Award at Harvard University, the 2009 Science Award from the U.N. Intergovernmental Renewable Energy Organization, the 2008 Eni Award (Italy), and the 2002 Research Award of the ECS. Dr. Nozik has been a Senior Editor of The Journal of Physical Chemistry, and is on the editorial advisory board of the Journal of Energy and Environmental Sciences and the Journal of Solar Energy Materials and Solar Cells. A Festschrift Issue of The Journal of Physical Chemistry honoring Dr. Nozik's scientific career appeared in the December 21, 2006 issue. Dr. Nozik is a Fellow of the American Physical Society and a Fellow of the AAAS.