

Arthur J. Nozik

Dr. Arthur J. Nozik is a Senior Research Fellow at the U.S. DOE National Renewable Energy Laboratory (NREL) and Professor Adjoint in the Chemistry Department at the University of Colorado, Boulder.

He received his BChE from Cornell University in 1959 and his PhD in Physical Chemistry from Yale University in 1967. Before joining NREL in 1978, then known as the Solar Energy Research Institute (SERI), he conducted research at the Allied Chemical Corporation and American Cyanamid Corporation.

Dr. Nozik's research interests include size quantization effects in semiconductor quantum dots and quantum wells, and the applications of these nanostructures to solar photon conversion, photogenerated carrier relaxation dynamics in semiconductor structures, photoelectrochemistry of semiconductor molecule interfaces, photoelectrochemical energy conversion, photocatalysis, optical, magnetic and electrical properties of solids.

He has published over 160 papers and book chapters in these fields, and holds 11 U.S. patents. He has served on numerous scientific review and advisory panels and received several awards in solar energy research.

Dr. Nozik has been a Senior Editor of The Journal of Physical Chemistry since 1993. He is a Fellow of the American Physical Society and the American Association for the Advancement of Science, and a member of the American Chemical Society, the Electrochemical Society, the American Association for the Advancement of Science, the Materials Research Society, and the Society of Photo Optical Instrument Engineers.