

Prof. Eugene A. Katz

Prof. Eugene A. Katz received his MSc degree in Semiconductor Materials Science in 1982 and Ph. D. in solid state physics in 1990 from the Moscow Institute of Steel and Alloys. He has research experience in field of photovoltaic materials and devices for more than 30 years. The topic of his Ph. D. thesis was "Atomic structure and electronic properties of grain boundaries in polycrystalline silicon solar cells".

In 1995, as a visiting scientist at the Israel National Solar Energy Center of the Ben-Gurion University, he started to investigate the growth, structure and photoelectrical properties of fullerene thin films. In 1997, he joined the Ben-Gurion University's Institute for Desert Research and has been working in the Department for Solar Energy and Environmental Physics ever since (now as a full professor).

His research interests include areas of photovoltaics based on non-traditional semiconductors (perovskites, fullerenes, nanotubes, conjugated polymers), photovoltaic characterization of IIIIV concentrator solar cells at ultra-high concentration of natural sunlight (up to 10,000 suns) and synthesis of nanomaterials by concentrated sunlight. He has published more than 110 peer-reviewed papers on these topics.