



Cengiz Özkan

Cengiz Ozkan is a Professor of Mechanical Engineering and Materials Science and Engineering at the University of California, Riverside since 2009. He was an Associate Professor from 2006 to 2009 and an Assistant Professor from 2001-2006. Between 2000-2001, he was a consulting professor at Stanford University. He received his Ph.D. in Materials Science and Engineering from Stanford University in 1997. His advisors were William Nix and Huajian Gao. Dr. Ozkan's areas of expertise include nanomaterials for energy storage; synthesis and processing including graphene, III-V and II-VI materials; novel battery and supercapacitor architectures; nanoelectronics; biochemical sensors; and nanopatterning for beyond CMOS. He is a member of the DARPA-SRC STARNet Center for Spintronic Materials, Interfaces and Novel Architectures. He organized and chaired 14 scientific and international conferences; has more than 200 technical publications including journal papers, conference proceedings and book chapters; over 60 patent disclosures, has given more than 100 presentations worldwide and is the recipient of more than 30 honors and awards. Dr. Ozkan's important contributions include: the first time growth of hierarchical three dimensional graphene nanostructures; development of a unique high-throughput metrology method for large-area CVD grown graphene sheets; doping and functionalization of CVD grown and pristine graphene layers; study of digital data transmission in graphene and InSb materials; memory devices based on inorganic/organic nanocomposites, novel lithium-ion batteries based on nano-silicon from beach sand and silicon dioxide nanotubes; fast charging lithium-ion batteries based on silicon decorated three dimensional nano-carbon architectures; and high performance supercapacitors based on three dimensional graphene foam architectures. He is one of the editors for the upcoming Graphene Science Handbook, Six-Volume Set, by CRC Press.