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Prof. Cengiz Ozkan

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Cengiz S. Ozkan is an Associate Professor of Mechanical Engineering Department at the University of California, Riverside. He holds a Ph.D. degree in Materials Science and Engineering and a minor in Electrical Engineering from Stanford University. He has nearly 5 years of industrial experience including Intel Corporation in Santa Clara, CA and Applied Micro Circuits Corporation (AMCC) in San Diego, CA. While being at AMCC, he was also a lecturer for the Electrical and Computer Engineering Department and the Materials Science and Engineering Program at the University of California, San Diego (UCSD) and a Consulting Professor of Mechanical Engineering at Stanford University. He was an Invited Fellow to the Bio-Nano Group at the Max-Planck Institute in Stuttgart, Germany. His research areas include the synthesis of bio-nano systems including DNA-carbon nanotube complexes, nanoparticle-virus systems and their applications in hierarchical nanomanufacturing of novel device architectures and delivery vehicles; electrochemical synthesis and chemical vapor deposition of semiconductor nanowires and their applications in nanoelectronics and sensing, and novel nanostructured photovoltaic devices. His awards include the Research Recognition Award by the Taiwanese American Aeronautics and Space Association, Achievement in Technical Ingenuity Award by Core 21 Industrial Development and the Faculty Excellence Award by the Regents of the University of California. Prof. Ozkan is a member of several research centers including the FCRP Center on Functional Engineered Nanoarchitectonics (FENA), the NSF NSEC Center for Hierarchical Nanomanufacturing, the Center for Nanotechnology for the Treatment, Understanding and Monitoring of Cancer (NANOTUMOR), the Center of Nanoscience Innovation for Defense (CNID) and the Center for Nanoscale Science and Engineering (CNID) at UCR. He holds several US patents and more than 50 patent disclosures in the areas of electronics, patterning and biosensing. He has organized several symposiums for the Materials Research Society (MRS), the American Chemical Society (ACS) and the American Society for Mechanical Engineers (ASME) in the areas of nanotechnology, MEMS and BioMEMS and he is a member of the Academic Affairs Committee of the MRS. He is a Principal Editor for the "Journal of Materials Research" and is also a member of the Editorial Boards for "Sensor Letters", "Recent Patents in Nanotechnology" and "Catalysis Today".