

Jack W. Judy

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Biography:

Jack W. Judy received the B.S.E.E. degree from the University of Minnesota, Minneapolis, MN, in 1989, as well as the M.S. and Ph.D. degrees in Electrical Engineering from the University of California, Berkeley, CA, in 1994 and 1996 respectively. He worked for Silicon Light Machines, Inc., Sunnyvale, CA, an optical-MEMS startup company commercializing a novel projection-display technology, from 1996 to 1997. He has been on the faculty of the Electrical Engineering Department at the University of California, Los Angeles, since 1997, where he is currently a Professor. At UCLA he served as the Director of the UCLA Nanoelectronics Research Facility, the UCLA Microfabrication Laboratory, and the UCLA NeuroEngineering Training Program. At UCLA he leads research laboratories doing both novel MEMS research (e.g., ferromagnetic MEMS/NEMS; magnetic micro/nano sensors, actuators, and systems); chemical sensors; microscale plasma devices, photostructurable-glass ceramic processing; and wireless sensor networks) and neuroengineering (e.g., micromachined neural-electronic interfaces; microelectrode design, fabrication, and characterization; micromachined patch-clamp systems with microfluidics; deep brain stimulation probe technologies and applications; wireless neural transceivers; and mm-scale MRI systems with micron-scale resolution). Since mid 2009 he has been serving as a Program Manager at Defense Advanced Project Administration (DARPA) in the Microsystems Technology Office (MTO).