

Symposium VI Member & Invited Speaker



Prof. Paul R. Berger

Professor, Electrical & Computer Engineering, Ohio State University, USA

Paul R. Berger is a Professor in Electrical & Computer Engineering at Ohio State University and Physics (by Courtesy). He is the Founder of the Nanoscale Patterning Laboratory. He received the B.S.E. in engineering physics, and the M.S.E. and Ph.D. (1990) in electrical engineering, respectively, all from the University of Michigan, Ann Arbor.

Currently, Dr. Berger is actively working on conjugated polymer-based optoelectronic and electronic devices; molecular electronics; Si/SiGe nanoelectronic devices and fabrication processes; Si-based resonant interband tunneling diodes and quantum functional circuitry; and semiconductor materials, fabrication and growth.

Formerly, he worked at Bell Laboratories, Murray Hill, NJ (1990-'92) and taught at the University of Delaware in Electrical and Computer Engineering (1992-2000). In 1999, Prof. Berger took a sabbatical leave while working first at the Max-Planck Institute for Polymer Research, Mainz, Germany while supported by Prof. Dr. Gerhard Wegner and then moved on to Cambridge Display Technology, Ltd., Cambridge, United Kingdom working under Dr. Jeremy Burroughes. In 2008, Prof. Berger spent an extended sabbatical leave at IMEC (Interuniversity Microelectronics Center) in Leuven, Belgium while appointed as a Visiting Professor in the Department of Metallurgy and Materials Engineering, Katholieke Universiteit Leuven, Belgium.

He has authored >95 articles, 5 book sections and been issued 16 patents with 3 more pending. Some notable recognitions for Dr. Berger were an NSF CAREER Award (1996), a DARPA ULTRA Sustained Excellence Award (1998), a Lumley Research Award (2006, 2011), and a Faculty Diversity Excellence Award (2009). He has been on the Program and Advisory Committees of numerous conferences, including the IEDM, ISDRS meetings. He currently is the Chair of the Columbus IEEE EDS/LEOS Chapter and Faculty Advisor to Ohio State's IEEE Student Chapters. He is a Fellow and Distinguished Lecturer of IEEE and a Senior member of OSA.