ECE SPEAKER SERIES

Department of Electrical and Computer Engineering

Dr. Joel Kubby

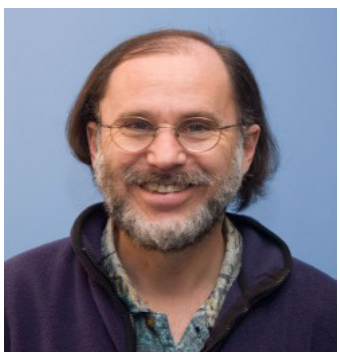
Chair
Department of Electrical Engineering
University of California Santa Cruz

Adaptive Optical Microscopy using Direct Wavefront Sensing

This talk will review the development of wide-field and scanning laser microscopes (confocal & multiphoton) with direct wavefront sensing and adaptive optics for correcting aberrations when imaging through thick tissues (Drosophila embryos and mouse brains).

September 12, 2016
10:00am-11:00am
Egr Bldg 2, Rm W122

Joel Kubby is the Department Chair of Electrical Engineering in the Baskin School of Engineering at the University of California at Santa Cruz. His research is in the area of Micro-Electro-Mechanical Systems (MEMS) with applications in Optics, Fluidics and Bio-MEMS. Prior to joining the University of California at Santa Cruz in 2005, he was an Area Manager with the Wilson Center for Research and Technology and a Member of Technical Staff in the Webster Research Center in Rochester New York (1987-2005). Prior to Xerox he was at the Bell Telephone Laboratories in Murray Hill New Jersey working in the area of Scanning Tunneling Microscopy (STM).



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