UNIVERSITY OF CALIFORNIA, DAVIS

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ

COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL
AND COMPUTER ENGINEERING

DAVIS, CALIFORNIA 95616–5294

Research Positions in Photonic Electronic Integrated Systems

The Next Generation Networking Systems Laboratory at UC Davis invites applications for Postdoctoral Research Scientists specializing in integrated photonic systems.

The emphasis will be on highly functional computing, communications, and signal processing systems realized by integration of a large number of photonic and electronic components including lasers, modulators, detectors, multiplexers, demultiplexers, optical amplifiers, logic gates, transimpedance amplifiers, and electronic drivers. Such components may be based on semiconductor quantum wells, quantum dots, quantum wires, photonic crystals, plasmonic waveguides, arrayed-waveguide-gratings, mode-locked lasers, wavelength converters, and photonic switches realized on silicon substrate platforms.

CMOS compatible fabrication processes will be primarily investigated with additional modifications to allow hetero-integration of InP, GaAs, and other material systems.

Excellent fabrication skills, fine understanding of device physics, and good communication skills are desired.

Summaries of team projects are available on the web: http://sierra.ece.ucdavis.edu. Interested candidates should send their resumes to yoo@ece.ucdavis.edu.

Professor S. J. Ben Yoo
University of California
Department of Electrical and Computer Engineering
Davis, California 95616
yoo@ece.ucdavis.edu
+1 (530) 752-7063 (office)
+1 (530) 752-8428 (fax)