UTEP Joins the Center for Energy Efficient Electronics Science

The University of Texas at El Paso (UTEP) is the newest member of the Center for Energy Efficient Electronics Science (E³S). UTEP joins University of California, Berkeley, Massachusetts Institute of Technology and Stanford University as the university members of the Center for E³S.

The Center for E³S, a NSF Science & Technology Center, headquartered at University of California, Berkeley, was established to develop transformative science and technology that reduce energy consumption in electronic systems by orders of magnitude. Through E³S research and education the Center inspires and trains a diverse generation of scientists, engineers, and technicians that apply the new science and technology to benefit society.

Professor Eli Yablonovitch, Professor of Electrical Engineering and Computer Science at UC Berkeley and the Center Director, shared, “During my trip to UTEP, I was highly impressed by the faculty and the research facilities in the ECE Department. Besides access to students, I look forward to a strong research collaboration with the UTEP faculty.”

The University of Texas at El Paso is a leading Hispanic serving education and research institution in the United States. The Electrical and Computer Engineering Department (ECE) conducts research in a variety of areas, including in electronic and optical materials and devices. ECE’s research facilities include the Nanomaterials Integration Lab, a nanofabrication facility.

This new collaboration will provide the Center for E³S access to a pipeline of qualified science and engineering students who will participate in the Center’s research and education activities and allow the faculty at UTEP’s Electrical and Computer Engineering Department (ECE) to engage in research on energy efficient electronic and optical devices.

David Zubia, Associate Professor - ECE, will be UTEPs lead researcher associated with the Center. Constance Chang-Hasnain, Professor of Electrical Engineering and Computer Science at UC Berkeley and faculty with the Center will host Professor Zubia as a Visiting Scientist at UC Berkeley during summer 2013. Brandon Aguirre, a graduate student advised by Professor Zubia, will also spend the summer at the laboratories researching a material growth project.
Miguel Velez-Reyes, Chair and Professor - ECE, is looking forward to the opportunities that the Center for E3S can offer to the students and faculty of UTEP. “We are already seeing opportunities for our students. Besides Brandon Aguirre, two ECE undergraduates will be research interns at the Center. UTEP’s contingent of four will learn about the energy efficient research undertaken in the Center for E3S. Development of this type of partnership is a key strategy to increase opportunities for our faculty and students and contribute to UTEP’s goal of becoming a Tier 1 Research Institution. We wish Professor Zubia and the UTEP students a successful summer at Berkeley.”