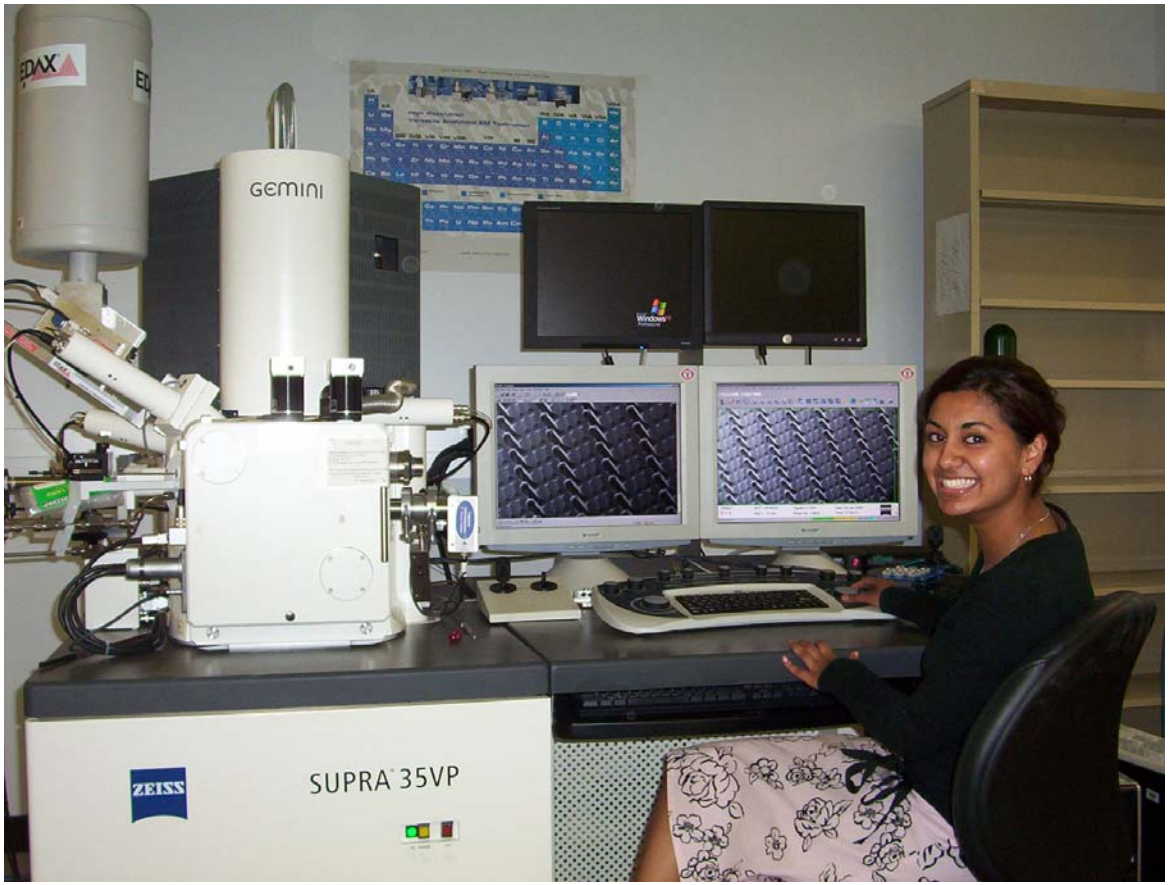
Undergraduate Electrical Engineering Student Studies Nanofibers Under a National Science Foundation Summer Internship



Jessica shown with a horse from the City of Louisville's Galapalooza Festival and with an advanced electron microscope and nanomanipulator that she uses as part of her research project on self-assembly of polymer fiber suspension bridges.

This Fall Jessica-Lynn Fernandes will start her Sophomore year in the Electrical and Computer Engineering Department at Notre Dame University. Jessica, who is a Louisville native graduated from Assumption High School. This summer she is working as a Research Intern at the University of Louisville's Department of Electrical and Computer Engineering. Her study is funded through the National Science Foundation's Research Experiences for Undergraduates (REU) program, as part of Prof. Robert Cohn's nanotechnology research award from NSF on the

self-assembly and device applications of polymer nanofibers (see previous ECE news release http://www.ece.louisville.edu/news_grants05.html and NSF award abstract http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0506941.)

Jessica with students and staff with whom she works on the polymer fibers project. From left, Prof. Cohn, Scott Berry, Mechanical Engineering PhD student (directed by Prof. Robert Keynton, grant co-PI), Jessica, Joe Williams, Electron Microscope Manager, and Santosh Pabba, Electrical Engineering PhD student.