Title
EDU 1: CENS Graduate and Undergraduate Education Programs

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CENS programs are designed to create an educational pipeline to graduate school, provide support and development to our graduate student affiliates and increase the diversity of our Center and those pursuing education and careers in science and engineering.

PROFESSIONAL DEVELOPMENT

In addition to research support, supervision, and infrastructure, CENS contributes to graduate student professional development through unique curricular offerings. CENS provides funding for students to attend meetings and conferences. As part of the CENS community, graduate students participate in multidisciplinary, multi-institutional research teams and varied experiences mentoring and teaching undergraduates.

SUMMER@CENS INTERNSHIP PROGRAM

Tech Camp 2005…

…is our CENS immersion program for our Summer@CENS Summer Undergraduate Internship Program. Students have an opportunity to see CENS technology in the field at our test-bed site at the James Reserve in Idyllwild, CA.

Working in parallel with our Women@CENS grant, our program offers interns a unique opportunity to become part of our CENS team by engaging in ENS research. Interns will further develop their skills by participating in technical seminars and attending our workshop series.

Through our programmatic support activities, including one-on-one mentoring, mentor-spotting, weekly progress meetings and our social activities, CENS interns are able to develop lasting relationships with our center and program participants.

SUMMER SCHOOL @ CENS PROGRAM

This hands-on laboratory course will prepare undergraduates with the computer science foundation of embedded networked sensing (ENS) as well as provide academic tools that promote success. Starting in the summer 2006, the “Foundations of Embedded Networked Sensing” course will be offered to students, particularly undergraduate sophomores and community college students interested in transferring to a four-year institution.

TRAINING SEMINARS

Using the theme of collaboration, our Technical Seminar Program, organized by our graduate students, is designed to expose CENS students and faculty to various CENS-related topics, evoke cross-disciplinary discussions, and stimulate new ideas. The CENS Technical Seminar Series also represents a key focus of our efforts in integrating research and education. The seminars incorporate a variety of presenters; including CENS graduate students, CENS faculty, and external faculty. A total of 68 technical seminars have been held over the last four years and is open to all CENS participants.

GRADUATE-LEVEL COURSES

Courses at UCLA:

•CS213/EE202AB Distributed Embedded Systems
•Statistics 160/260 Site Specifics

Courses at USC:

•CS546 Intelligent Embedded Systems
•CS694a Advanced Topics in Networking and Distributed Systems
•CS/EE547 Sensing and Planning in Robotics

CENS INTEL SCHOLARS PROGRAM

The CENS Intel Scholars Program is a new opportunity that we have received funding for by Intel Corporation to support a limited number of UCLA undergraduates. Participating students will be funded to work on CENS research. This program is designed to support academic year research opportunities that include a professional development component for participating undergraduate CENS Intel Scholars.

UNDERGRADUATE COURSES

•CEE154 Chemical Fate and Transport in Aqueous Environments
•CS113 Introduction to Distributed Embedded Systems
•CS213/EE209 Course Series
•EE180D Systems Design