SRC Education Alliance Undergraduate Research Opportunities
Made Possible by Major Grant from Intel Foundation

BERKELEY, Calif., Jan. 25, 2011 – The Semiconductor Research Corporation’s Education Alliance announces research opportunities funded through a major grant by the Intel Foundation for nine University of California, Berkeley undergraduates majoring in science and engineering.

The $113,400 to UC Berkeley students is part of a $1.4 million grant by the Intel Foundation distributed through SRC Education Alliance’s Undergraduate Research Opportunities program (URO). URO is an innovative program that provides undergraduates with valuable research experience and mentoring. It seeks to attract a diverse student population, including women and other under-represented groups, and prepare them for careers in higher education and research.

UC Berkeley undergraduates receiving the awards are:

- Christine P. Chen, Electrical Engineering and Computer Sciences, Nano-Fabricated Arrays of High-Temperature Superconductor Quantum Interference Devices
- Deirdre Chen, Electrical Engineering and Computer Sciences, Raised Double-Gate Transistor Design Optimization Study for Low Operating Power
- Aleksandra “Sasha” Denisin, Bioengineering, Protein Sample Extraction via Electroelution from Schirmer Tear Test Strip
- Michelle Lee, Materials Science and Engineering, Complex Oxides for Low-Power Electronics: Enhancement by Ferroelectric Route
- Rosanna Lim, Chemical Engineering, Harsh Environment Silicon Carbide Metallization
- Antonio Love, Mechanical Engineering, Micro-Hydro Feasibility Study for the Pinoleville Pomo Nation
- Dorsa Sadigh, Electrical Engineering and Computer Sciences, Reactable: Creating a Toolkit in Ptolemyll to Modulate Component Architecture for Interactive Media
- Raji Srikantan, Electrical Engineering and Computer Sciences, Improving Paper Voting Systems
- Eduard Tuchfeld, Electrical Engineering, Nanomagnetic Computing Research

“We are honored to have the SRC Education Alliance and Intel Foundation as our partners in preparing young engineers and scientists for research careers,” said David E. Culler, associate chair of UC Berkeley’s department of electrical engineering and computer sciences. “Our success in placing our undergraduates, especially women and underrepresented minorities, in graduate programs is due in no small part to the URO program.”

What they are saying at UC Berkeley about the SRC Education Alliance URO Program:

Vidya Ramesh
“Undergraduate research has always been something individual students strive to achieve, but through Intel and SRC Education Alliance partnership a rich community of researchers has been created. This community encourages students and provides resources for students who are going through the unique challenge of balancing research and classwork during their undergraduate careers.”

Cooper Levy
“The ideas from my research on modeling process variability are very applicable to understanding real-world design challenges and tradeoffs. As part of my involvement in the SRC Education Alliance URO program, I have
attended multiple conferences, including TECHCON 2010, and poster presentations. I have continued the research I started while in the URO program and am applying for an SRC Fellowship for graduate school.”

The following UC Berkeley students have previously received Intel-funded SRC Education Alliance URO grants: Sebastian Burke, Nassim Farrokhzad, Kate Greenwood, Alex Guo, Judy Hoffman, Patrick Kwong, Cooper Levy, Andrew Mairena, Uppili Raghunathan, Vidya Ramesh, Kai Song, Jinhao Yan and Maxwell Zheng.

Founded in 1989, the Intel Foundation is a philanthropic organization focused on programs that advance education and improve communities worldwide. By providing funding for national and localized grants, the foundation helps fuel innovation in classrooms, empower women and underserved youth, and enables Intel employees to serve the needs of their communities. The goals of the Intel Foundation are to increase interest in math and science education, and to help develop a future workforce that represents the diversity around the world.

SRC is the world’s leading university-research consortium for semiconductors and related technologies. Education Alliance is SRC’s private foundation that develops funding sources and offers enhanced education through hands-on research experiences and meaningful interaction with scientists and engineers working in technology industries. It concentrates on bridging the undergraduate gap in STEM education between increasingly strong K-12 programs and top graduate schools. Education Alliance is already funding 230 STEM majors this year at 14 universities across America. Plans call for developing more funding sources and raising those numbers dramatically in the near future.

SRC’s unique, award-winning approach features an industry-driven consortium that supports and guides coordinated university research programs and prepares students for high-tech careers. Since it was founded in 1982, SRC has invested more than $1.5 billion in university research, supporting more than 8,500 students and 1,900 faculty members at more than 100 universities in pre-competitive research and through prestigious internships at top technology-driven companies.

CONTACT: MaryLisabeth Rich, Executive Director
SRC Education Alliance
919-941-9400; MaryLisabeth.Rich@src.org
Karen Rhodes, Executive Director, Marketing & Communications
UC Berkeley College of Engineering
510-643-6803; klrhodes@berkeley.edu