

Center for Energy Efficient Electronics Science (E³S)

Summer 2011 Undergraduate Research Program

The Center for E³S, a consortium of academic institutions that is led by the U of California, Berkeley, is a National Science Foundation Science and Technology Center that was established in 2010. The Center's mission is to conduct transformative research that will enable fundamentally new science for digital information processing, in order to achieve a radical reduction in energy consumption in electronic devices. Researchers are working in a collaborative and innovative environment to make fundamental breakthroughs in the underlying physics, chemistry, and materials science of electronic systems.

2011 Summer Research Program Location:

University of California, Berkeley, CA
College of Engineering & Department of Physics

Program Description:

- 8 weeks of research experience: June 20 – August 12, 2011
- Placement in cutting edge electrical engineering and physics research laboratories
- Educational activities include lab tours and field trips
- Graduate school advising & subsidized GRE prep course

Exciting Research Areas:

- Nanoelectronics
- Nanophotonics
- Nanomechanics
- Nanomagnetism

Program Support:

- \$4,000 stipend
- Travel allowance (up to \$600)
- Room & Board provided at International House

Application Process: **Deadline: March 1, 2011**

On-line application at www.e3s-center.org/education/
Minimum: Engineering & Physical Science majors; GPA 3.25
Students from underrepresented communities are encouraged to apply.

Must be a U.S. Citizen or Permanent Resident



*Photo: Campanile & reflecting pool
Credit: Bonnie Azab Powell / UC Berkeley*

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