

SECTION 1. INTRODUCTION

The 2007/2008 Leading Edge Student Design Competition seeks to support and enhance the study of sustainable and energy-efficient building practices in architectural education. With our 14th competition, we invite students and instructors of architecture and design to use the competition as a framework to explore the use of new materials and strategies for building, and the integration of aesthetics and technology for high-performance, cutting-edge architecture.

This year, the competition will focus on the coastal environment of beautiful Santa Barbara. Students entering Challenge 1 will design an Environmental and History Center with display space in an historic barn and students entering Challenge 2 will design a 3-unit townhouse-style student residence. Both projects will be located in the West Campus area of the University of California at Santa Barbara.

Competition Objectives

The competition objectives are to encourage and reward excellence in architectural planning and design that integrates environmentally responsive design strategies.

Competition participants will have the opportunity to:

- Explore energy efficiency as a basic standard of building design.
- Incorporate principles of sustainability in the choice of building materials, water use and building design.
- Investigate new building materials and methodologies that contribute to sustainable or energy-efficient design.
- Understand the impact of solar orientation, wind orientation, building massing, construction methods, and material choices on building function and energy use.
- Develop an awareness of appropriate technology for particular building types, regional climates, and site location.
- Explore state-of-the-art computer modeling tools for predicting and evaluating the impact of design decisions on building performance and energy conservation.

Participant Eligibility

The Competition is open to all undergraduate and graduate students of architecture, engineering, drafting, and environmental design at two-year colleges, technical schools, four- and five-year colleges and universities. Students may enter as individuals or

teams. The competition may be treated as a class project or a separate independent study. A faculty member must supervise all participants.

The competition is divided into two levels or challenges: Challenge 1 for all students above the second year of their training (i.e. third year through graduate students) and Challenge 2 for first and second year students. Teams comprised of students at both levels must enter Challenge 1. Instructors are responsible for evaluating the students' class standings and determining which challenge the students will enter.

Duration of the Competition

The duration of the competition will be any consecutive ten-week period within an academic quarter or semester. Completed entries may be submitted prior to the submission deadline. See the end of this section for the submission address.

Competition schedule

March 28, 2008	Final Registration Deadline
April 11, 2008	Final Deadline for Submission of Questions Regarding Competition Program, Site, and Submission Requirements
April 18, 2008	Final posting of Questions and Answers on the Website
June 13, 2008	Deadline for Receipt of Entries
August 29, 2008	Winners Notified and Posted on Website
Sept. 12, 2008	Judges Comments for All Entries Posted on the Website

Questions and Answers

Questions and answers may be submitted to the Competition Program Manager at any time during the competition time period up to the question deadline. All questions and answers will be available on the website for all competitors to review. The final question submission deadline and posting of answers will be as indicated above.

Awards

The first place entries in Challenge 1 and Challenge 2 will each receive \$3,000. The second place entry for each challenge will receive \$2,000. In addition the jury may award a number of Certificates of Merit (which do not carry monetary awards) to projects that show outstanding effort in specific areas. The school, college, or university sponsor will receive \$1,500 for sponsoring the first place entry and \$1,000 for

sponsoring the second place entry. The competition reserves the right not to award 1st or 2nd place awards if no entry is deemed worthy by the jury.

Jury

Juries of technical and design experts will evaluate all entries that meet the entrance requirements. The jurors are selected for their design experience and knowledge of energy efficient and environmentally responsive design and construction. Jurors are:

Technical Jury

Randall T. Higa, P.E.
Southern California Edison

Chris Scruton
California Energy Commission

Design Jury

Gregg D. Ander, FAIA
Southern California Edison

Alison Kwok, Ph.D., AIA, LEED AP
University of Oregon, Department of Architecture

Nancy Clanton, P.E. FIES, LC, IALD
Clanton & Associates

Sponsors

California Energy Commission www.energy.ca.gov

New Buildings Institute, Inc. www.newbuildings.org

Pacific Gas and Electric www.pge.com

Sacramento Municipal Utility District www.smud.org

Southern California Edison www.sce.com

Correspondence

All correspondence regarding the competition should be sent to:

Pat Heatherly
Leading Edge Competition Program Manager

Email: pat@newbuildings.org

All registration will be online at the competition website
www.leadingedgecompetition.org.

All competition entry boards should be mailed or delivered to:

Chris Buntine
Southern California Edison
6042 N. Irwindale Avenue, Suite B
Irwindale, CA 91702

The final deadline for submission of entries is June 13, 2008. This is the deadline for all participants regardless of when you choose the 10-week period to work on your project. You can, of course, submit your entry immediately at the end of your 10-week work period, or at any time before June 13, 2008, but this early submission is not required.