It has everything that is extraordinary about UCSB: renowned faculty, outstanding undergraduate and graduate students, an emphasis on innovation and collaboration, and transformational research that is measurably changing the world. In a university full of success stories, the Institute for Energy Efficiency is one of the best we have to tell.
Breakthroughs on a regular basis.

The Institute is a preeminent research organization that is addressing one of the most critical challenges of the 21st century: providing sufficient energy and a decent standard of living to people everywhere, even as populations grow and resources shrink.

Energy efficiency is the most practicable, achievable, and affordable solution for meeting the world’s energy needs. The Institute’s internationally recognized faculty are developing the science and engineering that are transforming how the world generates, stores, and uses energy. Our researchers are dramatically increasing the efficiency of lighting, computing, solar panels, batteries, building design, and much more. Their breakthroughs regularly become widely available products and technology used to reduce energy consumption among consumers and companies worldwide.

The Institute for Energy Efficiency at UCSB is the world’s premier center for applied energy-efficiency research.

Home to world leaders in LED development.

Lighting consumes 22 percent of electricity annually in the U.S. Breakthroughs by Institute researchers have enabled the commercialization of LEDs, a dramatically more efficient light source. Growing adoption of LEDs is expected to result in:

- 46% in electricity consumption by 2030
- $250B in energy costs savings between 2010 and 2030
- 185M tons of CO₂ emissions, equivalent to the emissions of >35,000 cars

Not just groundbreaking, Nobel Prize groundbreaking.

UCSB is second in the nation in the number of science and engineering researchers who have earned the Nobel Prize. We are proud that three of these leading thinkers are members of the Institute.

SHUJI NAKAMURA
LED Lighting

ALAN HEEGER
Conducting Polymers

HERBERT KROEMER
Semiconductors

A catalyst for the UCSB community.

On a campus known for leadership in sustainability, the Institute draws strength from the rest of UCSB—and vice versa. Institute faculty and students collaborate with resident thought leaders in energy-related sciences, engineering, environmental science, economics, and policy. The Bren School of Environmental Science and Management, a partner of the Institute, offers one of the leading environmental science graduate programs in the U.S., and the Princeton Review named UCSB as the number one public university in its annual ranking of green colleges. By drawing together faculty and students of diverse disciplines and interests, the Institute is bridging people and departments in a new way that makes our whole campus stronger, more productive, and more widely known for excellence.

A bold goal, within reach.

The Institute is committed to increasing energy efficiency in all of its research areas by 50 percent by 2025. That means a world where lighting is 50 percent more efficient. Where data centers use 50 percent less power. Where solar panels are more affordable. And more. The Institute’s ultimate vision? To be a world-renowned leader in developing breakthrough energy technologies that substantially save energy while advancing the standard of living worldwide.
Today, Institute faculty and students work in 11 different buildings. Imagine putting all that innovation under one roof. >
A LIVING LAB FOR ENERGY EFFICIENCY  The Institute’s iconic new home will strengthen the Institute and speed our work by bringing together faculty, staff, and students in a single facility. It will provide much-needed space, equipment, and opportunities for collaboration. And it will incorporate numerous energy-saving features, serving as a “living laboratory” that enables researchers to introduce innovative technology. Henley Hall will be a vibrant focal point that transforms the Institute from a “virtual” research center into one with a prominent and vital presence on the UCSB campus and on the global stage.
The Institute and business. Corporate donors are important investors in the Institute for Energy Efficiency. Your company’s support of Henley Hall will promote innovation in leading-edge materials and technologies that your business may be able to leverage in the future. Institute faculty have a record of success in bringing research to industry and turning those breakthroughs into widely adopted solutions. Overall, UCSB’s substantial U.S. patent portfolio includes more than 100+ energy-related technologies available for licensing. We welcome an opportunity to discuss your company’s sponsorship or other collaboration.

Leading the UC system. In November 2013, University of California President Janet Napolitano announced the Carbon Neutrality Initiative, which aims to achieve zero net emissions at all 10 campuses in the UC system by 2025. Energy efficiency is a key component of the initiative, and the Institute is centrally positioned to help accomplish this ambitious goal. Institute Executive Director David Auston is a key figure in coordinating the work of the UC campuses and helping to advance UCSB’s role in this initiative. He was recently recognized for this work as the recipient of the first UC Sustainability Champion Award.

Help build a home for the Institute.

Help raise the profile of UCSB.

We have made substantial progress in our effort to fund Henley Hall. Your investment will help finish the job and promote some of the most exciting and influential work being done on campus. If you believe that UCSB’s excellence deserves worldwide recognition, supporting the Institute is an ideal way to help make that happen. Naming opportunities for laboratory spaces and lecture halls are available. There are also opportunities to support research, graduate student recruitment, the Institute’s operation, and more.
BREAKTHROUGHS
BEGIN HERE.

HELP FUND
HENLEY HALL.

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