

Defining the Future of the
Public Research University

UC San Diego

Designing a Better World

Thoughtful design improves our daily lives in countless ways, large and small. Advances in discipline-specific knowledge and novel technological capabilities provide new opportunities to improve how we live, work, and play. From visual artists to engineers, researchers at UC San Diego work side-by-side to develop new design approaches that will enrich human life and society.

The elegant UC San Diego Health Sciences Biomedical Research Facility II was designed to support collaboration among researchers from genomics, regenerative medicine, bioinformatics and pediatrics with a finely articulated layering of space. The LEED Platinum-plus building won the Grand Orchid award from the San Diego Architectural Foundation.



Teddy Cruz, M.Des.S.

Rethinking Living Space

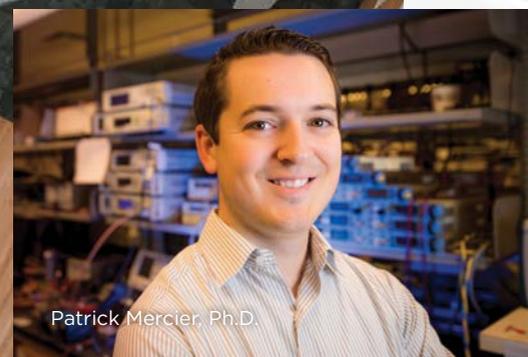
Architect and visual arts professor **Teddy Cruz, M.Des.S.**, is reimagining the way we think about urban design and architecture. Renowned for his research on the Tijuana-San Diego border, Cruz has advanced our thinking about urban policy, affordable housing and civic infrastructure by promoting a humane vision that breaks down cultural barriers and explores the social complexity and richness of public and private space.



Ilkay Altintas, Ph.D.

Forecasting Catastrophic Fires

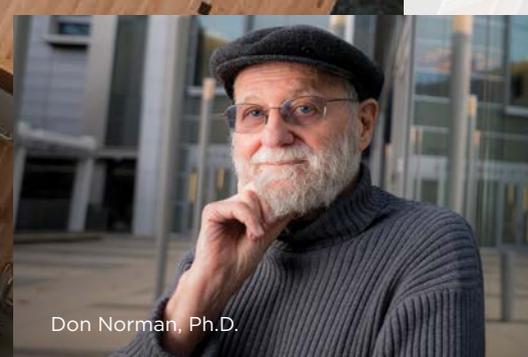
Wildfires are one of the most intractable—and unpredictable—environmental threats in Southern California. The best defense is to get ahead of them. **Ilkay Altintas, Ph.D.**, and her team at WIFIRE use cutting-edge technology at UC San Diego's San Diego Supercomputer Center to monitor and forecast where a wildfire is heading while it's burning. The information helps firefighters and first responders to evacuate areas and keep people safe.



Patrick Mercier, Ph.D.

Creating Wearable Health Detectors

Most health-sensing technology is invasive and cumbersome. But what if it were designed to be wearable, self-powered, unobtrusive—and could call an ambulance? That's the goal of electrical engineering professor **Patrick Mercier, Ph.D.** His work to scavenge energy from perspiration is just one of the ways to self-power wearable systems that could monitor your health and send the information wirelessly to your phone.



Don Norman, Ph.D.

Designing for Human Needs

Don Norman, Ph.D., one of *Business Week's* 27 most influential designers in the world, intends to make the world work better by transforming design. As director of The Design Lab at UC San Diego, Norman brings together colleagues across the campus—from humanities to business management—to develop human-centered design strategy that will satisfy both individual and societal needs.

8th Best Public University
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U.S. News & World Report

UC San Diego
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