

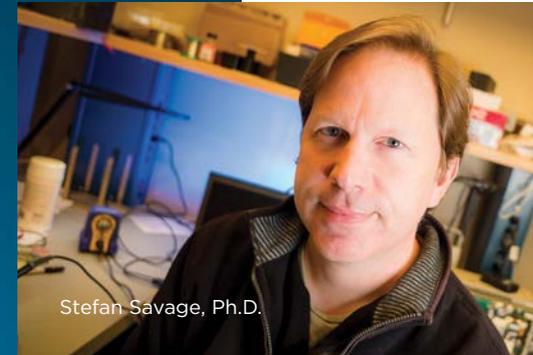
Defining the Future of the  
Public Research University

# UC San Diego

## Safe and Sound

Keeping citizens of the world safe from cybercrime, political violence, global conflict and environmental disasters requires innovation. At UC San Diego, the campus “DNA” of invention, experimentation and observation encourages a laser-sharp focus on discoveries and new technologies. Our interdisciplinary research centers allow faculty to come together and collaborate to find solutions to society’s most serious issues.

“Fallen Star,” the 18th addition to the renowned Stuart Collection of site-specific sculptures at UC San Diego, sits atop Jacobs Hall—cantilevered at an angle from a corner of the seventh floor.



Stefan Savage, Ph.D.

### Solving Societal Problems With Technology

The commercial enterprise of data mining and the economics of cybercrime have created vulnerabilities, inspiring **Stefan Savage, Ph.D.**, to consider the public-policy implications of cybersecurity. In the near future, Internet immunology may have less to do with the technology and more to do with human relations. His work reveals how computer science is catalyzing scientific advances and solving societal problems.



Barbara Walter, Ph.D.

### Advising on Political Violence

Outcomes of rebel civil wars and the rise of Islamic extremism are the vital research topics of political scientist **Barbara Walter, Ph.D.** Her expertise on international security, terrorism and counter-terrorism has been sought after by the U.S. State Department, CIA and numerous foreign governments.



Tai Ming Cheung, Ph.D.

### Building International Trust and Security

Understanding Chinese defense and national security is important work at UC’s Institute on Global Conflict and Cooperation, one of the premier think tanks in the U.S. Director **Tai Ming Cheung, Ph.D.**, brings together representatives from the U.S. and Asia to analyze security in the region and promote strategic trust to reduce the risk of conflict in Northeast Asia.



Ilkay Altintas, Ph.D.

### Forecasting Fire

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 the campus’ 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.

**18<sup>th</sup>** Best university in the world  
U.S. News & World Report Global Rankings, 2014

UC San Diego  
Learn more at [ucsd.edu](http://ucsd.edu).