Welcome back UC San Diego!

Take a minute to catch up on what we've been doing this summer
KPBS: Qualcomm Institute's Virtual Reality Cave
Offers 3D Experience
Researchers at the Qualcomm Institute at UC San Diego are commemorating the second year of the Suncave.

Jürgen Schulze is the computer scientist at Qualcomm who developed the software for this project.

"Here we are in the Suncave. The Suncave is a virtual reality environment that can display a half a billion pixels. And with that it is the highest resolution virtual reality environment on the planet," Schulze said.

Read more

Spanish-language channel NoticiasYa San Diego recently aired a segment on our #SunCAVE, the virtual reality facility that's helping scientists access field sites from hundreds of miles away. Check it out! (https://bit.ly/3547hFE)

Exciting day in our SunCAVE! 🌟 cháy Showing @heatherlaketv @Fox 5sandiego a temple in Luxor, Egypt, a plaza in Italy, and how this powerful immersive VR system can help Crohn’s disease patients.

LATEST NEWS

QI Affiliate Awarded Contract to Create Device that can Detect Infections, Fast
Seconds after the body detects a pathogen, a part of the nervous system called the vagus nerve alerts the brain to a threat. Its remarkable speed and efficiency has promise for developing a non-invasive means to catch infections well before symptoms set in. Now, with the support of federal funding, QI-affiliate and associate professor of UC San Diego’s Department of Anesthesiology Imanuel Lerman has launched an exploratory study to translate that promise into action.

Read more

New Exhibit at the Qualcomm Institute's gallery@calit2 Explores Boundaries Between Objects and Beings

A new art exhibition coming to the Qualcomm Institute’s gallery@calit2 explores the shadowy middle ground between objects and beings, or personhood and “thingness.” Drawing from the vivid imagination of visual artist Terike Haapoja, Between Thingness and Being contrasts her early artwork with an all-new installation to create a meditative space to contemplate the relationship between people and things. The exhibition premieres Thursday, October 10 at 5 p.m. in the Atkinson Hall Auditorium and gallery.

Read more

Joel Polizzi, a QI visualization engineer and a @ucsdvisarts grad, was her guide on live TV this morning.

(https://www.instagram.com/p/B2CwtWtHQZl/)

Did you know that the #qualcomminstitute is a great place for students? At QI, undergrad and grad students can work with faculty to conduct research, prototype technologies, and test those technologies in the field.

(https://bit.ly/2q1O73p)

@uctelevision filmed an interview with QI researcher Jessica Block. Block and other @UCSanDiego researchers work on WIFIRE, a project that helps first responders better predict how wildfires will behave, and where they’ll go. @WIFIREProject #UCSD #qualcomminstitute (https://bit.ly/2AXZonG)
IDEAS to Fall For

Drummers, dancers and explorers of the mind will transform UC San Diego’s Atkinson Hall theater beginning October 9 when the fall season of the Qualcomm Institute’s Initiative for Digital Exploration of Arts and Sciences (IDEAS) series begins.

Read more

From Star to Sun: The Qualcomm Institute’s CAVE Expands

Tucked into a cozy-feeling room on the first floor of the UC San Diego Qualcomm Institute’s Atkinson Hall are 70 screens, bundles of cables and 35 computer nodes that make up a powerful system that can process massive amounts of data transmitted over the Internet from researchers all over the US or even Antarctica.

Read more

Did you know that QI is home to interdisciplinary research? #qualcomminstitute encourages partnerships across disciplines like engineering and anthropology to inspire new, creative ways of studying issues in society. (https://www.instagram.com/p/B0gt3VWn9Br/)

Nano3 is the #qualcomminstitute’s lab for nanoscience, nanoengineering & nanomedicine -- Nano3! In its cleanroom facility, researchers dress in protective “bunny suits” to prevent free-floating particles (dirt, hair, etc.) from damaging research materials. (https://www.instagram.com/p/BiovkI3nOb-)
Big Data Workshop is a Bridge for an International Partnership

This month, three researchers traveled from Mumbai, India to UC San Diego for a week-long workshop all about big data. Their participation is part of an ongoing partnership between UC San Diego’s Center on Gender Equity and Health (GEH) and the International Institute for Population Sciences (IIPS). Read more

Here Since the Beginning, QI Affiliate Uses Math to Explain Cities and Advance Engineering

At first, Massimo Franceschetti thought he might pursue computer engineering. He had always been good at math and interested in science, and many of his family members were engineers. Little by

**FUNDING OPPORTUNITIES**

- **Global Innovation Fund**
  Funding Amount: $50,000 – $15 million
  Deadline: Applications accepted on a rolling basis

  Funding Amount: $300,000 – $1.5 million
  Deadline: October 29, 2019

- **Systems for Action: Systems and Services Research to Build a Culture of Health**
  Funding Amount: $500,000
little, however, he found himself becoming less interested in any specific branch of engineering, and more interested in the mathematical theory behind it.

In Memory of Robert Hecht-Nielsen

San Diego, Calif., July 1, 2019 – Robert Hecht-Nielsen was an influential neuroscientist, entrepreneur, and electrical engineering professor at the University of California San Diego. He passed away in his sleep on May 26, 2019 in Del Mar, Calif. He was 71 years old.


UPCOMING EVENTS

gallery@calit2: Between Thingness and Being
Date: October 10, 2019
Time: 5:00 pm - 7:00 pm
Location: Atkinson Hall - Calit2 Auditorium and Gallery

Machine Learning Workshop
Date: October 29, 2019 to October 30, 2019

Deadline: November 6, 2019

USAID Development Innovation Ventures
Funding
Amount: $200,000–$5 million
Deadline: December 1, 2019

NSF Partnership for Innovation
Funding
Amount: $250,000–$500,000
Deadline: January 8, 2020

HALLOWEEN MIXER

Date: October 31, 2019
Time: 12-2 p.m.
Location: Q1 1st Floor Reception Area (Outside the theater/auditorium)
Features:

- Dangerously Delicious Food
- Tales of Spooky Science
- Terrifying Costume Contest
- Ghoulish Halloween Trivia

Prizes for Halloween trivia and costume contest winners!
IDEAS: An Ecology of Mind  
Date: October 30, 2019  
Time: 5:00pm - 7:00pm  
Location: Atkinson Hall Theater/VRoom, UC San Diego

Introduction to Cloud Storage  
Date: November 12, 2019  
Time: 10:30am - 12:30pm  
Location: Atkinson Hall Auditorium, Qualcomm Institute - UC San Diego

Translocative Realities  
Date: November 15, 2019  
Time: 6:00pm - 8:00pm  
Location: Atkinson Hall Theater/VRoom/SunCAVE - UC San Diego

IDEAS: Time Unfolded  
Date: 12/5/2019  
Time: 5:00pm - 7:00pm  
Location: Atkinson Hall Theater/VRoom, UC San Diego

RSVP to Lizette Alcala by October 23, 2019.

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