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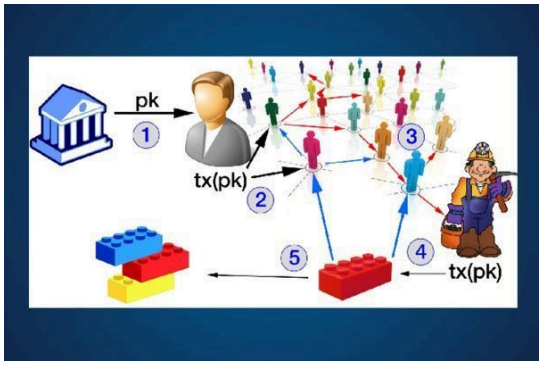
CSE NEWS

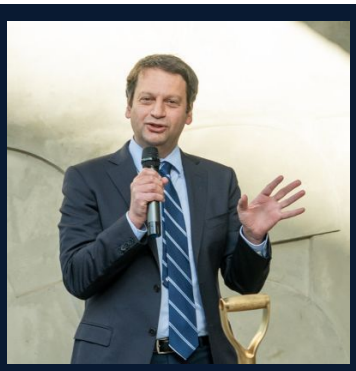


IMC Test-of-time Award for Pivotal Bitcoin Crime Fighting Research

A 2013 paper dispelling the myth of anonymity for Bitcoin transactions and exposing dark web criminals earned the 2024 Test-of-Time Award. **Sarah Meiklejohn** (PhD '14) and CSE Professor **Stefan Savage** accepted the award on behalf of their coauthors, including Professor **Geoff Voelker**. Read More

Nadia Heninger's Work to Make the Internet More Secure is Honored

Cryptographer **Nadia Heninger** recently received the prestigious Test of Time award from the International Association for Cryptologic Research for her 2009 paper that has been instrumental in developing techniques to protect against side-channel attacks. Read More



CSE Reimagined: Breaking Ground on a New Era

Renovations for UC San Diego's CSE building have officially begun. At a recent groundbreaking ceremony, plans were unveiled to transform the east wing into new student collaboration spaces by 2026. An extended lobby and new offices will complete the main level, while the server room will move to the basement.

"Like all of the new buildings on campus, this will be a place where Tritons can access a mix of facilities, resources and expertise unlike anywhere else," said UC San Diego Executive Vice Chancellor Elizabeth Simmons.

The impetus for the renovation came about four years ago, when computer science professor **Sorin Lerner** became chair. The department was running out of space, both in its physical location and its computing needs. The new design will make the space more welcoming and functional. Read More

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Learn more about the renovation here. And thank you for your patience during construction!

Transforming Medical Education to Save Lives

An award-winning study led by PhD student **Matin Yarmand** and CSE Professor **Nadir Weibel** in collaboration with UC San Diego School of Medicine proposes a human-centered design for "contouring" innovating radiation therapy and training. Read More

CSE Faculty Earn First Ever Google Academic Research Awards

The 2024 inaugural cohort of Google Academic Research Awards (GARA) recipients – a list of 95 globally selected proposals – includes three CSE associate professors: **Deepak Kumar**, **Rose Yu**, and **Yiying Zhang**. Read More

CSE's Rose Yu Accelerates Climate Modeling with Generative AI

The algorithms behind generative AI tools like DallE, when combined with physics-based data, can be used to develop better ways to model the Earth's climate. Computer scientists have used this combination to create a model capable of predicting climate patterns. Read More

Yufei Ding Joins CSE to Revolutionize Quantum Computing

Associate Professor **Yufei Ding** has traversed continents and crossed cultural divides to initiate a computation revolution. Her collaborative research at the juncture of quantum computing, machine learning, and hardware-software integration brought her to CSE in 2023. Read More

NOTEWORTHY

Professor **Stefan Savage**, a founding member of the UC San Diego Center for Healthcare Cybersecurity, is driving a $9.5M ARPA-H Healthcare Ransomware Resiliency program to protect healthcare systems during cyberattacks.

Congratulations to Professor **Rob Knight** and Distinguished Professor **Pavel Pevzner**, who were once again recognized among the world's most influential in their fields by the Institute for Scientific Information at Clarivate. The top 1% of researchers are selected based on citation activity and impact.

CSE EVENTS

Winter Quarter Week 1 Begins
January 6

GenAI Summit
Atkinson Auditorium
February 20 – 21
Find out more and register **here**

CSE Holiday Party: A 21-year Tradition of Skits, Puns, and Pizzazz

Thank you to **Jennifer Folkestad, Geoff Voelker**, CSE's amazing faculty and staff, and everyone else who helped make our celebration memorable. Enjoy the tradition in this collection of skits past and present.

RESEARCH CENTERS & INSTITUTES

PRISM Center Unveils Impressive Metrics at Its Second Annual Review

The Processing with Intelligent Storage and Memory center, or PRISM, held its second annual review at UC San Diego in November, unveiling its latest metrics. To date, PRISM has launched 21 projects through 13 universities, applied for 2 patents, and recruited 25 faculty researchers and 185 scholars, cementing the center as a bright, forward-thinking force in the industry.

PRISM aims to make computing orders of magnitude faster and more efficient in an era where the amount of data and its complexity is growing exponentially. The $50.5 million center, led by CSE's **Tajana Šimunić-Rosing**, is a tight collaboration of academic stakeholders and member companies, including the Semiconductor Research Corporation (SRC), which provided the center's initial funding. Learn More

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