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AROUND CSE

News and highlights from your
Computer Science and Engineering Department
at the University of California San Diego

VOLUME 7 | October 2024

CSE NEWS



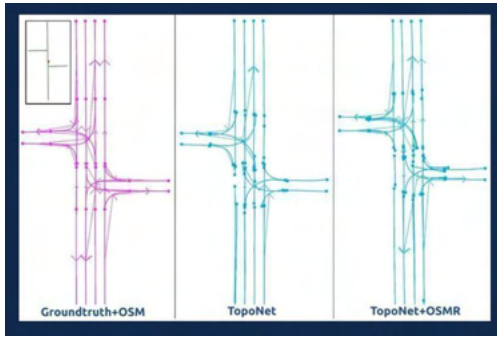
Open-source Semiconductor Chip Design Tool Celebrates Success

A team led by engineers at UC San Diego – including **Andrew B. Kahng**, principal investigator of the OpenROAD project and a distinguished professor in CSE and ECE – successfully created and made available an open-source tool that is democratizing silicon innovation worldwide. [Read More](#)



Fan Chung Graham Named a UC San Diego 2024 Reville Medal Recipient

Distinguished Professor Emerita of Mathematics and Computer Science and Engineering **Fan Chung Graham** is one of five distinguished faculty members to be awarded the 2024 UC San Diego Reville Medal. [Read More](#)



Contributing to the Expansion of Robotics Research at IROS 2024

From better algorithms for self-driving vehicles, to better solutions for robotics surgery, and better ways for robots to manipulate objects – UC San Diego researchers, including Distinguished Professor **Henrik Christensen**, presented their work at the [IROS 2024](#) conference in Abu Dhabi. [Read More](#)



Cybersecurity Researcher Deepak Kumar Joins CSE

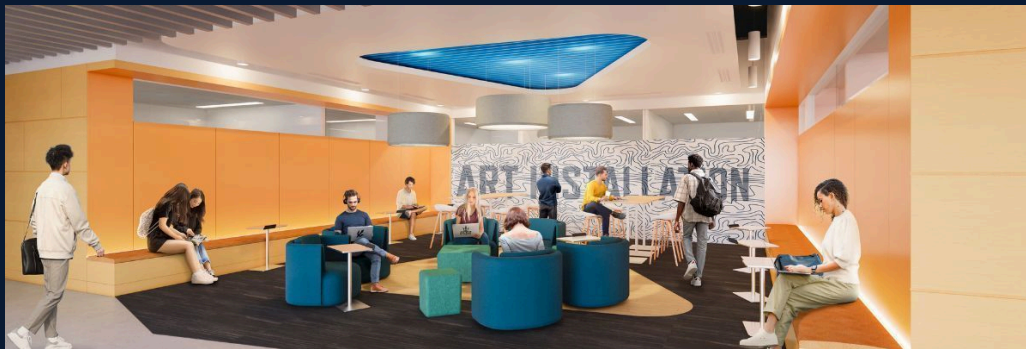
An accomplished playwright, composer, and lyricist, Associate Professor **Deepak Kumar** joined CSE to research sociotechnical cybersecurity. He blends large-scale, data-driven measurements with human-centered studies to understand how threats are spread online and how people experience them. [Read More](#)



Breaking Ground on a Groundbreaking Renovation @ Computer Science and Engineering Building

Does something look different around CSE? Big changes are coming – all designed to enhance the student experience.

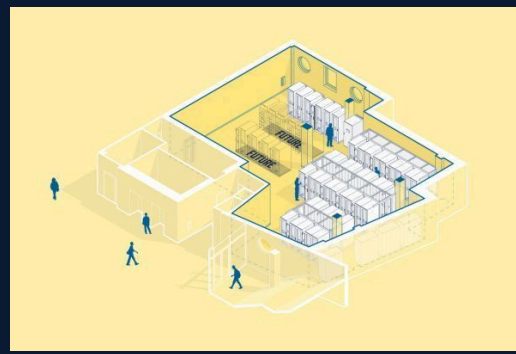
A new CSE renovation is breaking ground this November to make our space more welcoming and improve functionality. Here are a few changes underway:



» Meeting up with a study group? A spacious and inviting student collaboration area will extend the lobby with comfortable seating and work spaces.



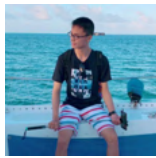
» Heading to an appointment? It could be in one of 13 new office spaces conveniently located on the first floor.



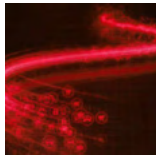
» Looking for the server room? Try the basement, where state-of-the-art tech will keep things operational.

[Learn more here](#) about how the renovation meets current needs and those for future expansion. And thank you for your patience during construction!

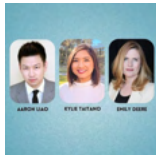
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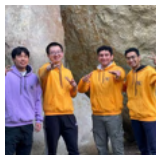
PhD student [Xiaohan Fu](#), Distinguished Professor [Rajesh Gupta](#), and their coauthors were recognized by the ACM/IEEE International Conference on Cyber-Physical Systems (ICCPS'24) for their paper, [Playground: A Safe Building Operating System](#), a finalist for best paper.



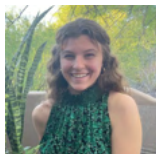
[Security research](#) by PhD student [Xiaohan Fu](#), Assistant Professor [Earlence Fernandes](#), and their co-contributors was featured in a [WIRED article](#) highlighting how large language models and AI Chatbots can be weaponized to expose private information. (Photo credit: WIRED staff: Getty Images)



Thank you to our CSE Alumni Advisory Board panel – specifically, [Aaron Liao](#), [Kylie Taitano](#), and [Emily Deere](#) and [Justin Allen](#) – for the informative talk on how to embrace failures in our tech journey.



[Triton Quantitative Trading](#), one of 7 [CSE-affiliated student orgs](#), won first place in QuantConnect League this quarter. Congratulations to [Jerry Yang](#), [Carter Tran](#), and [Rudy Osuna](#)!



Congratulations to PhD student [Katherine Izhikevich](#) for her 2024-25 ARCS Fellowship from the Achievement Rewards for College Scientists Foundation. ARCS supports outstanding students advancing science and technology in the United States.

CSE EVENTS



PRISM Annual Review
November 7-8

EnCORE Rising Stars
November 14-15

Thanksgiving Holiday
November 28-29

CSE Annual Holiday Party & Skit
December 6

The "AI in the Enterprise" Panel Discussion
November 18 (More details to come!)
Explore the world of AI startups. Suggest topics/questions [here](#).



Eleventh Annual CSE Summer Internship Symposium

About 50 CSE students showcased their internship success at the annual Summer Internship Symposium with poster sessions, presentations, and an awards ceremony. The 2024 award winners included **Melody Gill** in Ethics & Society, **Arnav Kamdar** in Personal & Professional Growth, and **Yen-Ru Chen** in Technical Skills. [Read More](#)



CSE's Beloved Halloween Tradition Haunts the Courtyard Again

About 30 CSE students and faculty gathered in the Engineering Courtyard to continue the department's beloved Halloween tradition of carving pumpkins. Ghoulish, glowing jack-o-lanterns are smiling across campus – and so are the artists who created them.



CSE Leads from the Front

The CSE department is looking sharp. Our numbers – and growing number of new faculty – make an impressive showing.

» Ranked #3 » 7 new tenure-track faculty » 14,860 alumni

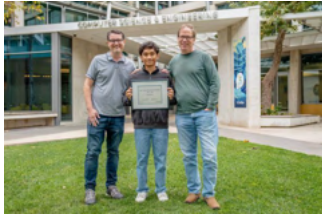
We've captured the highlights in one place. [Check them out!](#)

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CNS Recognizes CSE Undergrad Jonathan Ty with Alan Turing Memorial Scholarships



Jonathan Ty, a sophomore majoring in computer science, has been awarded the 2024-2025 [Alan Turing Memorial Scholarship](#) and the Alan Turing Memorial Teradata Scholarship from the [Center for Networked Systems](#) (CNS). Each year CNS recognizes a student whose studies relate to networked systems and who is an active supporter of the LGBTQIA+ community.



"I'm so honored to receive this distinguished award and to support the LGBTQIA+ community. The continued support fills me with a sense of confidence and determination to excel academically and make the most of the opportunities presented to me," said Ty.



Ty recently attended the 2024 Tapia Conference in San Diego, the premier venue to acknowledge, promote, and celebrate diversity in computing. He was previously named a 2023 Regent's Scholar by the university and is participating in the Early Research Scholars Program (ERSP) and the Chancellor's Associates Scholars Program (CASP).

CNS established the Alan Turing Memorial Scholarship in 2015 to honor the memory of Alan Turing, the co-founder of computer science. [Read More](#)

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