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AROUND CSE

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

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CSE NEWS



This Bespoke AI Tutor Helps Students Learn

UC San Diego researchers have created an AI tutor trained on course-specific materials to help students learn relevant information and find answers independently, according to Professor **Mohan Paturi**, one of the project leads. [Read More](#)



Helping High-Performance Computers Multi-Task

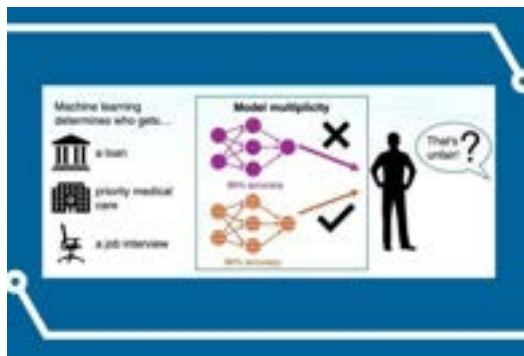
Professor **Dean Tullsen**, Assistant Professor **Amy Ousterhout**, and their colleagues were recognized with a best paper award at ASPLOS 2025 for their in-depth look at how central processing units can carry out parallel tasks with speed and efficiency. [Read More](#)

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Russell Impagliazzo Joins One of the World's Most Prominent Scientific Societies

Russell Impagliazzo, a professor in the Jacobs School of Engineering's Department of Computer Science and Engineering, has been elected to the prestigious National Academy of Sciences, one of the most distinguished honors in engineering. Impagliazzo specializes in computational complexity theory and was selected in recognition of decades of achievements in proof complexity, cryptography, optimization heuristics and other approaches to solving hard problems. [Read More](#)



When the Stakes Are High, Do Machine Learning Models Make Fair Decisions?

Associate Professor **Loris D'Antoni** and researchers from the University of Wisconsin are challenging the common practice of using a single ML model to cull through job and loan applications, digging into perceived fairness risks. [Read More](#)



Steering AI: New Technique Offers More Control Over Large Language Models

With the help of a novel “nonlinear feature learning” method, a multi-institutional team – including Affiliate Professor **Mikhail Belkin** and CSE’s **Daniel Beaglehole** – can manipulate components within the LLM’s complex network to guide more desirable AI app outputs. [Read More](#)

NOTEWORTHY



Associate Professor **Rose Yu** was [featured in Quanta Magazine](#) for her vision to partner human researchers and AI tools to yield new scientific insights.



With 7 accepted papers, CSE had a strong presence at [CHI 2025](#), the premier international conference on human-computer interaction. Congratulations to Associate Professor **Loris D'Antoni** (1 paper) and affiliate professors **Steven Dow** (2 papers) and **Haijun Xia** (4 papers) for your recognition.



PhD student **Anshu Gupta** tackled computational bottlenecks to develop efficient hardware and software tools for genomic data and was first author on a study detailing the new tool, called ROADIES. [Read More](#)



At the JSOE Research Expo 2025, **Zheng Wang**, who was advised by **Yufei Ding**, was recognized with the Computer Science and Engineering best paper for “WLB-LLM: Workload-balanced 4D parallelism for large language model training.” More than a dozen CSE students and co-presenters participated in [poster sessions](#).



Size Matters: Innovative Length Estimates (SMILE) – a joint marine conservation project by Engineers for Exploration (E4E) and Scripps Institute for Oceanography – was [featured by DAN.org](#) for its laser-based image-capture system that collects data without stressing or injuring fish.



Congratulations to **Glenn Little**, CSE's IT and Infrastructure Support Manager, on his well-earned retirement. Thank you for your many years of service.



CSE EVENTS



End of the Year Celebration & Award Ceremony

CSE Building, Room 1202

06/06/2026

1– 3:00 p.m.

Alumni Summer Picnics – Save the Date

Seattle 08/10/2025

Bay Area 08/17/2025

San Diego 08/23/2025

[Learn More](#)

CSE Tutor Priority Deadline (Fall 2025)

[Apply by June 27](#)



That's a Wrap. Let's Celebrate. Join Us June 6 in Honor of Our 2025 Grads!

Come celebrate another fantastic year at our upcoming 2025 CSE End of the Year Celebration & Award Ceremony. This special event honors the hard work, achievements and contributions of our students across all academic levels.

Cheer for fellow grads earning student awards. Enjoy light snacks and refreshments. Grab friends and head to various photo op stations to capture your moment in the spotlight.



RESEARCH CENTERS & INSTITUTES



CNS in 2025: The Annual Research Review

The [Center for Networked Systems](#) (CNS) held its annual Research Review at the Computer Science and Engineering Building on May 8-9, 2025. Now in its third decade, the invitation-only event introduced the latest research from CNS students and faculty with 18 research talks, 13 lightning talks, and 10 research posters. There were 70+ attendees including representatives from Google and Qualcomm. [Read More](#)



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