



# AROUND CSE

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

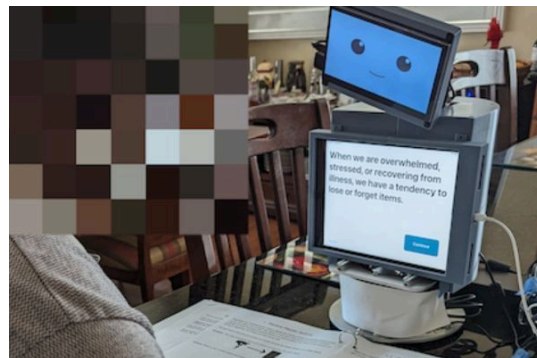
VOLUME 6 | April 2024

## CSE NEWS



### Fighting AI Fire with ML Firepower: Extinguishing Harmful Content

Fake robocalls during elections. The voice of a public figure appropriated to hawk products. Pictures altered to mislead the public. A firestorm of malicious AI-generated content could be stamped out by a new framework for data redaction, according to an award-winning paper co-authored by Professor **Kamalika Chaudhuri** and PhD student **Zhifeng Kong**. [Read More](#)



### CSE Roboticians Shine at Human Robot Interaction Conference

From supporting patient home care and stroke rehabilitation to facilitating teamwork among first responders, researchers from the [Healthcare Robotics Lab](#) are at the epicenter of robotics in medicine. Led by the lab's director **Laurel Riek**, the group presented nine papers at the 2024 ACM/IEEE International Conference on Human-Robot Interaction. [Read More](#)



## Barna Saha Celebrated as Harry E. Gruber Endowed Chair at UC San Diego

Professor **Barna Saha** will be honored as the Harry E. Gruber Professor of Computer Science and Information Technologies Endowed Chair in a ceremony April 30. She takes over the chairship formerly held by Distinguished Professor Emeritus **Larry Smarr**.

Saha, who joined CSE as well as the Halicioğlu Data Science Institute (HDSI) in 2022, is the director of the National Science Foundation's \$10 million initiative [TRIPODS Institute for Emerging CORE Methods in Data Science \(EnCORE\)](#) and is a recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE). [Read More](#)



## ServiceNow Developer Accepts CSE Distinguished Alumni Award

CSE alum and serial entrepreneur **David Loo** (BS '91), who was a founding developer of Service Now, was presented the department's prestigious 2024 Distinguished Alumni Award. In his remarks, Loo shared fond memories from UC San Diego and insights on his success. [Read More](#)



Photo credit: Quanta Magazine

## Quanta Magazine: The Researcher Who Explores Computation by Conjuring New Worlds

Quanta Magazine talks to Professor **Russell Impagliazzo** about the limits of cryptography, the nature of randomness and more, tracing his imaginative and playful approach to studying computational complexity theory through 40 years of research. [Read More](#)

## NOTEWORTHY



Professor **Kamalika Chaudhuri's** research on complex decision-making, along with three more [cutting-edge projects from the university](#), has been named by the Department of Defense as part of its [Multidisciplinary University Research Initiative \(MURI\)](#) awards program. The MURI program is a \$221 million allocation towards defense-related research projects.



According to an article in the prestigious journal *Nature Biotechnology*, Professor **Rob Knight**, McGill University researchers, and [Gearbox Studio Québec](#) have integrated DNA analysis into a video game with mass market appeal. The project focuses on improving knowledge of the human microbiome.



Professor **Laurel Riek** joined a panel discussion – [A Deep Look into the AI Revolution in Health and Medicine](#) – hosted by UC San Diego’s [School of Biological Sciences](#) to address questions related to AI in healthcare as well as critical ethical and social considerations.

## CSE EVENTS



### **AAB Leadership Scholarships** **Open to Undergraduate and Masters Students**

Deadline: Friday, May 3, 2024

[Apply Now!](#)

### **CSE End of the Year Celebration** **Awards ceremony and lunch**

Save the Date: Friday, June 7, 2024

10:00 am - 1:00 pm

### **CSE Graduation Celebration – Debugging to the Finish Line!** **Welcoming graduates to the CSE alumni community**

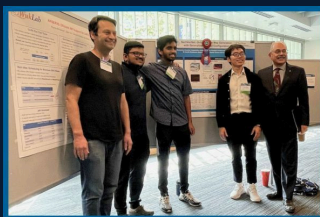
Save the Date: Friday, June 7, 2024

2:00 pm - 4:00 pm



### **The Jacobs School of Engineering Research Expo:** **Showing Off Student Innovation**

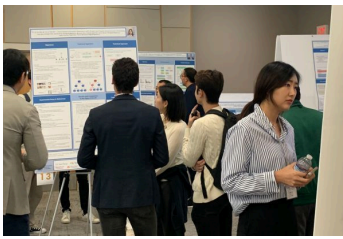
The [Jacobs School of Engineering](#) Research Expo was held April 17 to celebrate the astounding research and accomplishments of its graduate students. More than 160 students from all six engineering departments showcased their work to distinguished judges and guests. The 42nd annual expo was sponsored by ASML Company, Viasat and Qualcomm.



Graduate student **Henry Zhang** and his team earned the CSE Department Best Poster Prize for research on “SemVecNet: Online Vector Map Generation through Sensor-Configuration-Agnostic Semantic Mapping.” The team was advised by Professor **Henrik Christensen**.

## RESEARCH CENTERS & INSTITUTES





## PRISM Spring Meeting – Sharing Research and Fostering Collaboration

The Center for Processing with Intelligent Storage and Memory (PRISM) hosted its Spring Meeting on Thursday, April 11, at UC San Diego to present crucial research related to the SRC-led public-private partnership and foster collaboration among participants.

Representatives from four key research themes presented overviews, goals and challenges on critical technology, including: Systems & Software, Architecture, Devices & Circuits, and Grand Challenges.

The event convened 100 attendees, including 24 faculty members from various U.S. institutions and their students. Over 50 students engaged in poster sessions and lightning talks, showcasing their current research projects.

The PRISM Spring Meeting was held in cooperation with DARPA and co-sponsored by SRC, DARPA, the commercial semiconductor industry, and the defense industrial base.

## JUMP 2.0 Virtual Undergrad Symposium 2024

The inaugural JUMP 2.0 Virtual Undergrad Symposium 2024, hosted by [PRISM](#), took place on Friday, April 12, with over 50 attendees including undergraduates from the seven [JUMP 2.0 Centers](#) (ACE, CHIMES, CoCoSys, CogniSense, CUBiC, PRISM, SUPREME), graduate mentors, SRC representatives, [Broadening Participation](#) Champions, and industry liaisons. Attendees listened to more than 20 undergraduate presentations and engaged in an interactive panel discussion featuring experts from both academia and industry.

**ALAN TURING MEMORIAL SCHOLARSHIPS**  
APPLICATION DEADLINE EXTENDED TO **MAY 2, 2024**

One year award up to \$12,000

**ELIGIBILITY**  
Undergraduate students who are active within the **LGBTQIA+ community** majoring in:

- Computer Science/Engineering
- Electrical Engineering
- Public Policy/Political Science
- Communication
- Other programs associated with networked systems.

**Preference is given to students who:**

- Demonstrate academic merit & involvement
- Demonstrate financial need

**APPLY NOW**  
Visit the Link on Scan: <https://bit.ly/55Y9Wx>

**CONTACT:**  
UCSD Financial Aid: [finaid.ucsd.edu](mailto:finaid.ucsd.edu)  
Scholarships Office: (858) 534-4480  
[ONS@UCSD.EDU](mailto:ONS@UCSD.EDU)

CNS UCSD UC San Diego

## CNS Extends Deadline for Alan Turing Memorial Scholarship

The Center for Networked Systems (CNS) has extended the deadline to apply for an [Alan Turing Memorial Scholarship](#) to May 2. UC San Diego undergrads in selected majors who are active within the LGBTQIA+ community are invited to apply.

CNS established the scholarship in 2015 to encourage a more diverse and inclusive community of engineers and to honor the memory of Alan Turing who co-founded the field of computer science.



UC San Diego



[Subscribe](#) to our email list.

[Manage](#) your preferences | [Opt Out](#) using TrueRemove™  
Got this as a forward? [Sign up](#) to receive our future emails.  
View this email [online](#).

9500 Gilman Dr. MC 0404 | La Jolla, None 92093 US

This email was sent to .  
*To continue receiving our emails, add us to your address book.*

**emma**