UCSD CSE
Computer Science and Engineering

UC San Diego
JACOBS SCHOOL OF ENGINEERING

CSE NEWSLETTER: A LOOK INSIDE THE DEPARTMENT

Message from the Chair

As we kick into gear for 2020, we are pleased to celebrate another successful CSE Research Open House, which was held on January 31. We are particularly grateful to keynote speaker Edward Wu (CSE '04), the students who presented, the participants on our corporate panel and the many people who worked diligently to organize the event.

Also, congratulations to Sorin Lerner, who has been honored as JSOE Teacher of the Year (2018-19) in Computer Science and Engineering. Additional kudos to Alex Snoeren, who was recently elected an IEEE Fellow. As always, we are excited by this new research flowing out of CSE.

Lots more coming up between now and June. Our second annual Celebration of Diversity will be held on May 15. Please mark your calendars, and I will see you there.

For more news, in real time, you can follow our Twitter, Facebook, LinkedIn and Instagram feeds. If you have news to share, story ideas or comments for our CSE Communications Team, please send them to newsworthy@cs.ucsd.edu.

NEWS FROM CSE

Alex Snoeren Elected IEEE Fellow

CSE professor and vice chair Alex C. Snoeren was elected to the Institute of Electrical and Electronics Engineers (IEEE) Fellow class of 2020 for his "contributions to management and security of networked systems." IEEE Fellow recognition is the organization's highest honor for electrical engineers, computer engineers and computer scientists.

Sorin Lerner Honored as Teacher of the Year

Sorin Lerner, a tireless supporter of the Computer Science and Engineering Department, has been honored by the Jacobs School of Engineering as CSE Teacher of the Year. Lerner, who is the department's Vice Chair for Graduate Affairs, teaches a number of undergraduate and graduate courses, and makes it his goal to empower every student as much as possible.

Inclusive Excellence Awards

CSE PhD student Ariana Mirian and CSE Undergraduate Affairs Manager Veronica Abreu have been awarded UC San Diego Inclusive Excellence Awards, which honor staff, faculty, students and departments that make outstanding contributions to inclusion, equity, diversity and the university's principles of community.

Chapter of the Year Honors for oSTEM

Just three years after its founding, UC San Diego's chapter of oSTEM — Out in Science, Technology, Engineering and Mathematics — was honored as Chapter of the Year at the oSTEM Annual Conference in Detroit. The organization supports students in science, technology, engineering and mathematics and develops dynamic networks between students and professionals in industry and academia. UCSD's oSTEM group was selected from more than 90 university chapters across the country.

We Are CSE Profile: Angelique Taylor

Angelique Taylor is a PhD student in the Healthcare Robotics Lab, working with Professor Laurel Riek. Her research encompasses computer vision, robotics and artificial intelligence – designing algorithms that help robots interact with people in real-world environments. To learn more about Taylor and her work, visit We are CSE: Angelique Taylor, PhD '21.

CSE Community in Action

Research Open House

The CSE Winter 2020 Research Open House kicked off with a keynote from Niantic Platform VP Ed Wu (CSE '04). Wu discussed the challenges of augmented reality and the new places it will be going. The keynote was followed by presentations on security and programming languages, robotics, bioinformatics, AI and other topics. After lunch, an industry panel discussed the joys and perils of the working world, followed by the open lab segment and a poster session. Congratulations to Michael Barrow, whose poster took first place in the industry category. Audrey Randall was runner-up. Jens Luebeck won first place in research. Saransh Gupta was runner-up.

CSE Distinguished Alumni

Also at the Research Open House, Taner Halicıoğlu and Tim Sherwood were honored as the inaugural CSE Distinguished Alumni. Halicıoğlu graduated in 1996 and worked at Loudcloud, Ebay and Facebook, where he was the first full-time employee. He now shares his vast knowledge and experience as a CSE lecturer and angel investor. The Halicıoğlu Data Science Institute was named in his honor.

Tim Sherwood graduated in 2003 and is a professor of Computer Science and Associate Vice Chancellor for Research at UC Santa Barbara. Sherwood's contributions to novel program analysis, particularly his work on basic block vectors, fundamentally changed the research landscape. In 2016, he was awarded a SIGARCH Maurice Wilkes Award from the Association for Computing Machinery for his outstanding contributions to computer architecture. He also co-founded hardware security startup Tortuga Logic.

GradWIC Social Hour

For the second year in a row, the UCSD Graduate Women in Computing (GradWIC) group hosted a GradWIC Social Hour. The theme was Waffle, Waffle, Waffle, and the gathering drew more than 100 students, faculty and staff. In addition to being a fun and yummy event, the social hour was an opportunity for GradWIC to promote an innovative, inclusive environment and bring the CSE community together. Many thanks to GradWIC Outreach Program co-chair, Maryam Pourebadi and team for the great waffles!
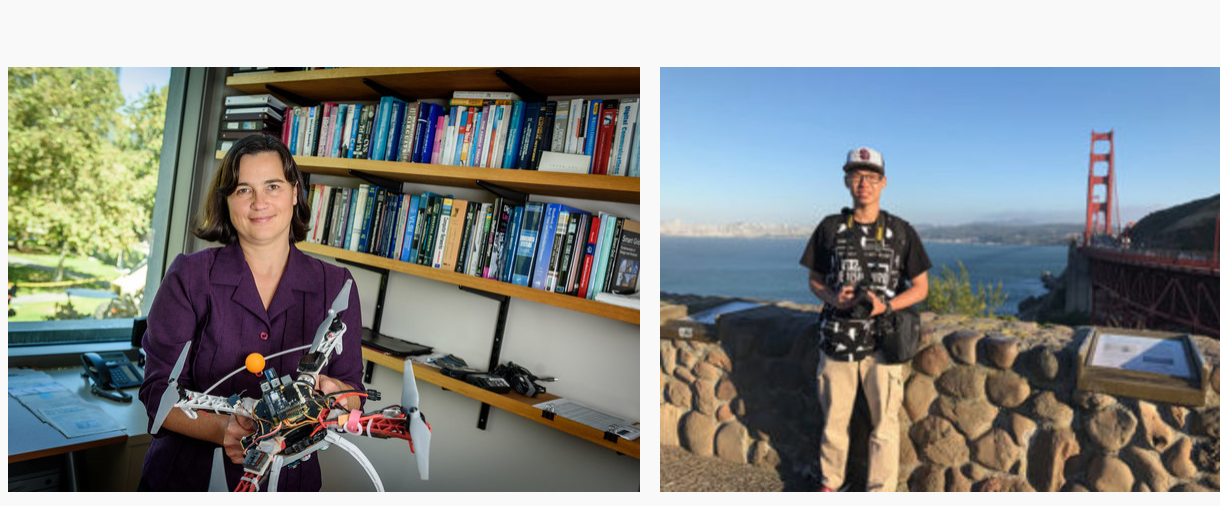

CENTER FOR NETWORKED SYSTEMS

Brain-Inspired Hyperdimensional Computing for IoT Applications

Professor Tajana Rosing has been awarded a $500,000 National Science Foundation grant to advance hyper-dimensional computing, which seeks to process data in parallel, similar to the human brain. The hope is this approach will use less power, be more accurate and generally operate more efficiently.

Weiyang Wang Recognized by CRA

The Computer Research Association has named Weiyang (Frank) Wang a runner-up in this year's Outstanding Undergraduate Researchers competition. The award recognizes students who show tremendous research potential. A senior, Wang's work focuses on improving data center architectures.In particular, he is studying how TCP and other protocols work in data centers using optical circuit switching.

CSE TV HIGHLIGHT

SAVE THE DATE

Amazon: Ace Your Interview Workshop – February 12, 4 to 9 pm

Engineering CEOs: Pathways from Education to Innovative Leadership – February 13, 2 to 6 pm

Learn about Opportunities at Oracle – February 21, 5 to 7 pm

Compassionate Communication Workshop – February 21, 2 to 4 pm

CSE's 2020 Celebration of Diversity – May 15, 2020

Let us know what's newsworthy. We want to hear from you about the projects and people (including students) we should put in newsletters, articles and on the CSE website. Let us know what's up at newsworthy@cs.ucsd.edu.

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