

**Message from the Chair**

April and May have been busy as we hold an increasing number of on-campus events: The CNS Research Review, PhD Coffee Hours, JSOE Research Expo, the Spring Alumni Board visit and many others.

We also have much to celebrate. A big congratulations to Christine Alvarado, who will serve as the university's Associate Dean for Undergraduate Education starting next year, as well as Niema Moshiri, who has been awarded a UC San Diego Integrity Award. These honors show their dedication to UC San Diego's educational mission.

I also want to congratulate PhD students Alex Trevithick, Alisha Ukani, Olivia Weng and Alex Yen for their NSF Research Fellowships.

Next up: the CSE End of the Year Celebration. Be sure to join us on Friday, June 3 as we highlight some incredible student achievements. Details coming shortly.

Stay in touch!



Sorin Lerner

Sorin Lerner, CSE Department

Chair

**Stay connected with CSE by following our [Twitter](#), [Facebook](#), [LinkedIn](#) and [Instagram](#) feeds. If you have news, story ideas or comments for our CSE Communications Team, please send them to [cse-communications@eng.ucsd.edu](mailto:cse-communications@eng.ucsd.edu).**

**CSE NEWS**

**Yuanyuan Zhou Honored For Bug Work**

Yuanyuan (YY) Zhou has been honored with an Architectural Support for Programming Languages and Operating Systems (ASPLOS) 2022 [most influential paper](#) for her 2008 study: [Learning from mistakes: a comprehensive study on real world concurrency bug characteristics](#).

**Integrity Champions Niema Moshiri and Janine Tiefenbruck**

Niema Moshiri and Janine Tiefenbruck were recently honored at [UC San Diego's 12th annual Integrity Awards](#) for their work in developing data-driven methods to prevent cheating during remote classes.

**Policing Bot Behavior**

Julian McAuley, Canwen Xu and other researchers have created algorithms that prevent bots from [developing bad habits](#), such as offensive language, in social media and other applications.

**NSF Research Fellows**

[Four CSE graduate students](#) have received prestigious National Science Foundation Research Fellowships. Alex Trevithick, Alisha Ukani, Olivia Weng and Alex Yen will each receive a \$34,000 annual stipend for three years, a \$12,000 education allowance to cover tuition and fees and professional development opportunities.



YY Zhou



Niema Moshiri and Janine Tiefenbruck



Canwen Xu

**NOTEWORTHY**

**Zexue He** will receive an [IBM PhD Fellowship Award](#) for the upcoming academic year. This highly competitive honor recognizes her excellent research, which seeks to remove bias from natural language processing.

**Shachar Lovett** has received a [Simons Investigator award](#), which supports outstanding theoretical scientists in math, physics, astrophysics and computer science.

PhD student **Sophia Krause-Levy**, alum **Sander Valstar** (PhD '21), now at Amazon, **Leo Porter** and **William Griswold** won the [Best Paper Award](#) in Computing Education Research at the SIGCSE Technical Symposium in March for [A Demographic Analysis on Prerequisite Preparation in an Advanced Data Structures Course](#).

**Leo Porter** has received an Academic Senate Distinguished Teaching Award.

**Tajana Rosing** has received the [2022 SIA-SRC University Researcher Award](#), which honors university faculty for their lifetime research contributions to the U.S. semiconductor industry.

**Christine Alvarado** has received the first National Center for Women & IT (NCWIT) Academic Alliance [Joanne McGrath Cohoon Service Award](#). In addition, Alvarado has been appointed Associate Dean of Undergraduate Education, a university-wide appointment.



Zexue He



Shachar Lovett



Christine Alvarado

**WE ARE CSE**



I work on programming environments and curricula for new programmers, even and especially for students in non-CS courses like algebra, statistics, or physics at the high-school level. I want students to find computing relevant in contexts they're already familiar with.

**JOE POLITZ**

Assistant Teaching Professor



#WEARECSE

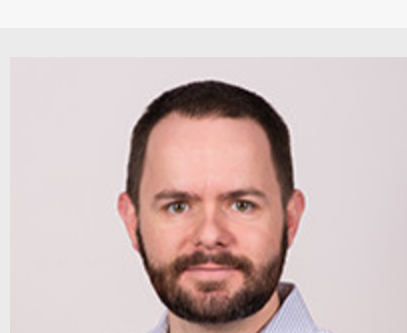
**CENTER FOR NETWORKED SYSTEMS**

**CNS Research Review**

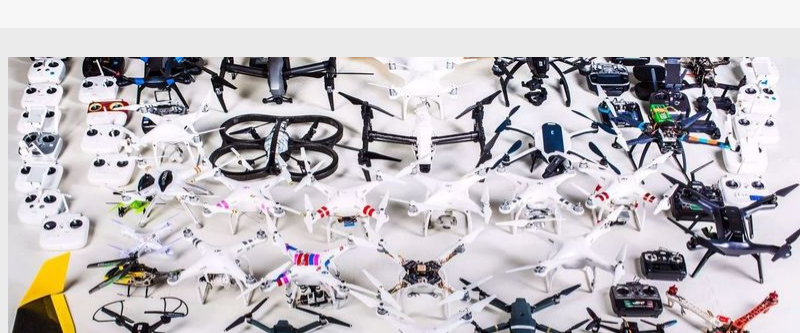
The Center for Networked Systems (CNS) held its 30th [CNS Research Review](#) on April 29. This annual event included CNS corporate partners, faculty and graduate students. There were research talks by Audrey Randall, Lixiang Ao, Alex Liu, Jennifer Switzer, Alex Yen and Alex Forenych and two-minute lightning talks presented by ten graduate students.

[SkySafe](#) founder and CEO Grant Jordan, who studied at CSE, gave the keynote, focusing on the challenges of tracking drones in critical airspace. With hundreds of drones in its fleet, Skysafe has reverse-engineered these complex machines to better understand how they operate and interact.

Jordan discussed what it takes to build these systems, as well as the infrastructure needed to boost drone use for good and discourage careless, clueless and criminal elements. The industry is also embracing data analytics/coordination, AI, ML, normalizing data, sensor fusion and improved reverse engineering.



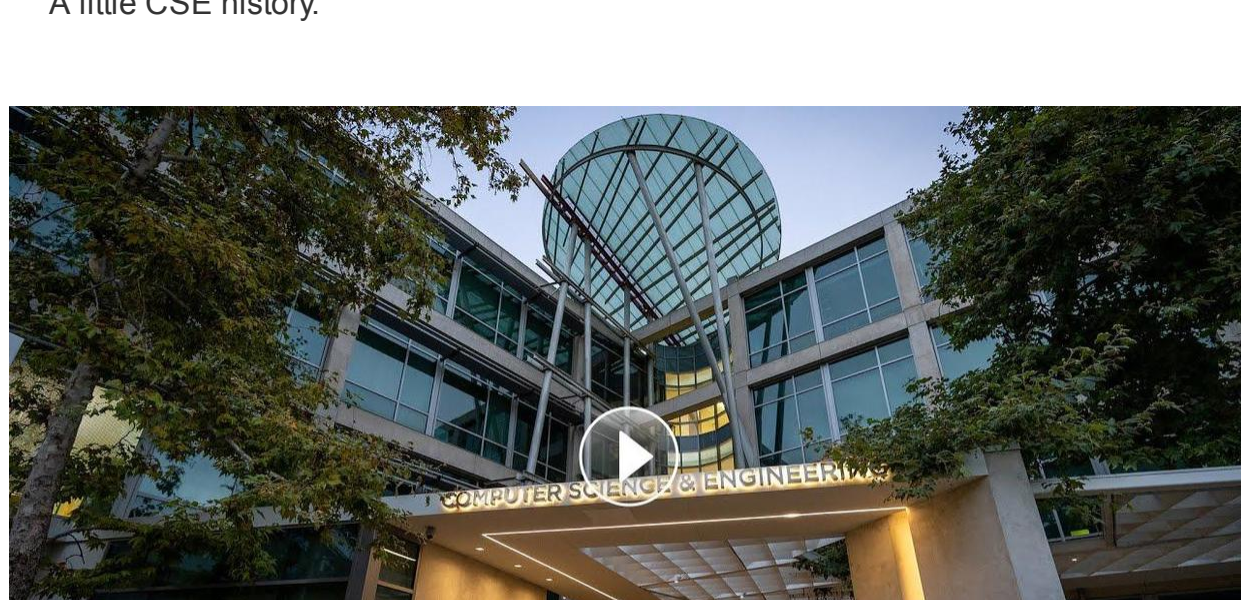
Grant Jordan



Drone Fleet

**CSE VIDEO HIGHLIGHT**

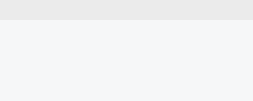
A little CSE history.



**Let us know what's newsworthy.** We want to hear from you about the projects and people (including students) we should include in newsletters, articles and the CSE website. Let us know what's up at [cse-communications@eng.ucsd.edu](mailto:cse-communications@eng.ucsd.edu).

[CSE.UCSD.EDU](http://CSE.UCSD.EDU)

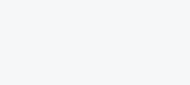
Share this email:



[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, CA | 92093 US

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



[Subscribe](#) to our email list.