

CSE NEWSLETTER: A LOOK INSIDE THE DEPARTMENT

Message from the Chair

Spring quarter 2020 began just a couple of days ago during a time of radical change, with our campus, our CSE community and our world facing unprecedented challenges. As you are aware, in-person gatherings have been cancelled and instruction for the entire spring quarter will be delivered remotely. Meanwhile, our dedicated staff has made significant adjustments to keep our department and university operating as smoothly as possible and, as our chancellor notes, moving forward.



I want to let the CSE community know that my primary priority is the health and safety of our students, researchers, staff, faculty and broader community.

To that end, we are communicating regularly with the campus leadership team as they work closely with federal, state and local officials to take the necessary actions to protect the community.

One of the most important things we can do is to stay informed. Information is critical. I urge everyone to stay up to date on the latest information from the university by visiting coronavirus.ucsd.edu. The site is updated as news and announcements develop, so please check frequently. I also encourage you to register for the [Triton Alert emergency notification system](#).

In the midst of all this, we refuse to compromise the quality of our research and education. Our faculty have made tremendous efforts, over a short period, to transform our entire curriculum to be delivered remotely and effectively, providing a great educational experience for our students. This has been a herculean effort by our faculty, TAs, support staff and others. Everyone is facing enormous personal challenges, and I am so proud of the way we have all rallied to this effort.

As we move forward, our day-to-day activities will look very different, and there will be many questions. Please remember: We will get through this together.

I agree wholeheartedly with our chancellor when he said to our campus community: "You have truly exemplified the Triton spirit." I want to express my sincere gratitude for and pride in our CSE community. Thank you for your continued dedication to making CSE the strong and vibrant department it is, even during the toughest of times.

COVID-19 UPDATES & RESOURCES

UC San Diego COVID-19 Information: coronavirus.ucsd.edu

Visit coronavirus.ucsd.edu for the latest information from UC San Diego on the ongoing pandemic. Please check this site periodically, as it is frequently updated.



CSE NEWS

How Robots Can Combat COVID-19

In an editorial published in Science Robotics on March 25, Henrik Christensen and colleagues [show how robots can support clinical care](#) during this pandemic.

JSOE Ranks Among Best Engineering Schools

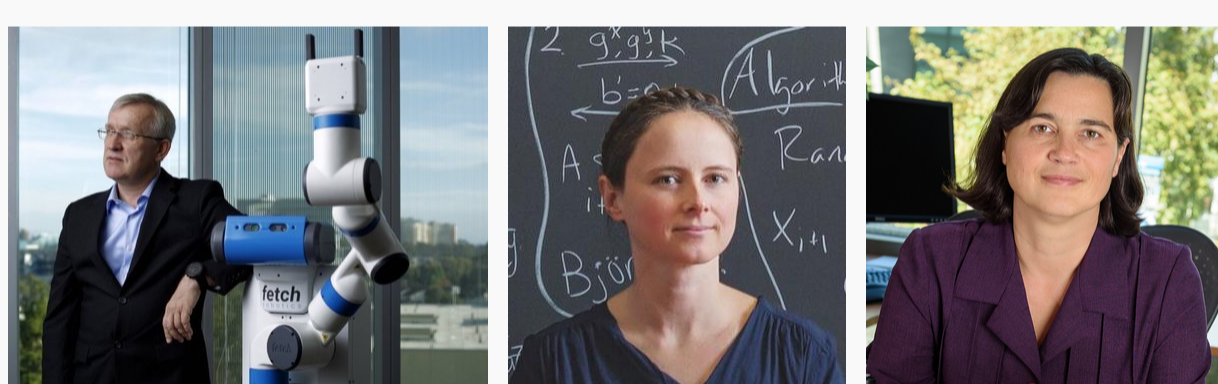
The University of California San Diego [Jacobs School of Engineering](#) jumped to the #9 spot in the influential *U.S. News and World Report* Rankings of Best Engineering Schools. This is up from #11 last year and #17 four years ago. It's the first time JSOE has broken into the top 10 of this closely watched ranking.

New Record for Cryptographic Challenge

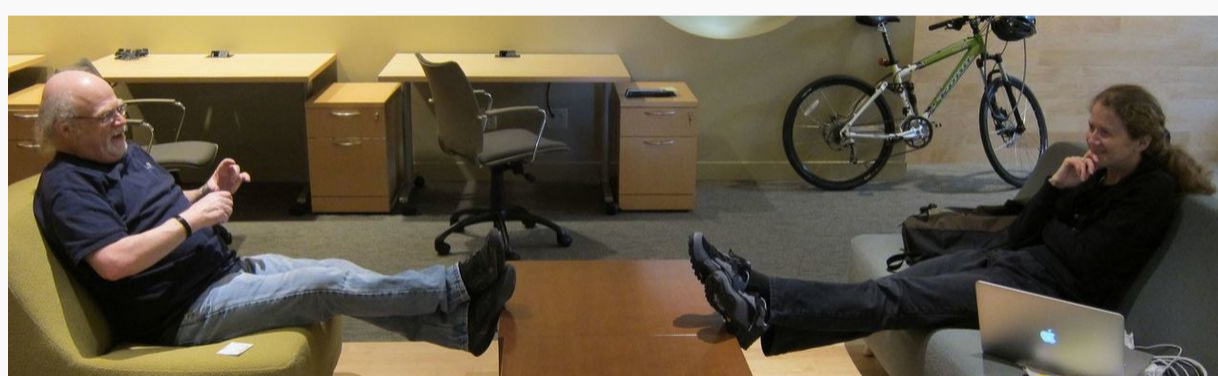
An international team of computer scientists [has set a new record for integer factorization](#), an important computational problem that underlies nearly all public-key cryptography. Public-key cryptography is used to encrypt sensitive and confidential data and digital signatures.

DARPA Grant Funds Research into Hyperdimensional Computing

The Defense Advanced Research Projects Agency (DARPA) [has awarded a \\$1 million grant](#) to Computer Science and Engineering Department professors Tajana Rosing, Sanjoy Dasgupta and Electrical and Computer Engineering Department professor Tara Javidi to explore how hyperdimensional computing can help address the data tsunami.



CENTER FOR NETWORKED SYSTEMS



Large Gift Endows Turing Scholarship

The Center for Networked Systems (CNS) at UC San Diego has announced that, following a \$225,000 donation from the Amateur Radio Digital Communications (ARDC) association, [the Alan Turing Memorial Scholarship is now fully endowed](#). Above, Brian Kantor and CAIDA founder and director KC Claffy in the CSE Sysnet Lab.

CSE TV HIGHLIGHT



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