

A stronger, ever more relevant Jacobs School

As we fight hard to weather the pandemic, we continue to build momentum. This momentum is necessary, but not sufficient. The real question is: How will the Jacobs School of Engineering emerge on the other side of the pandemic? The ground has shifted in many ways, and it's up to us to respond, evolve and adapt.

As we build momentum, there are two high-level moves we are also making. These moves are designed to ensure the Jacobs School emerges more ready than ever to confront the challenges, injustices, and societal and innovation needs laid bare in 2020.

First, we have initiated and strengthened a series of culture-building programs. The goal is to ensure that we empower all of our students, faculty and staff to do the creative and innovative technical work they are so capable of.

Second, we are facilitating critical national and international conversations on research. In particular, how academia, industry and government can partner and collaborate in new ways. The goal is to build on the existing research enterprise in order to increase the pull through of innovation to society. We will do this by training an ever more diverse and empowered innovation workforce. I've mentioned this work before, and I will keep returning to it in 2021.

We are able to engage in this future-focused work in these difficult times thanks to the hard work of so many people here at UC San Diego. I am proud and thankful to be a fully integrated partner in the campus-wide Return to Learn Program, which is an effort to protect the health and safety of students, staff and faculty while maintaining momentum.

I wish you peace and rest over the holidays. I look forward to joining you in 2021 to tackle the next set of challenges. As always, I can be reached at DeanPisano@eng.ucsd.edu.

-Albert P. Pisano, Dean

UC San Diego Jacobs School of Engineering



25 years of wireless research leadership

The UC San Diego Center for Wireless Communications (CWC) is celebrating 25 years of partnering with industry to push the bounds of wireless technologies while training the wireless workforce of the future. At the Center's 5G and Beyond Forum, researchers from academia, industry and government presented on both 5G innovations and visions for 6G. Looking forward, UC San Diego is engaging in national and international conversations focused on creating wireless research ecosystems and infrastructure through public-private partnerships that facilitate both innovation and workforce development.

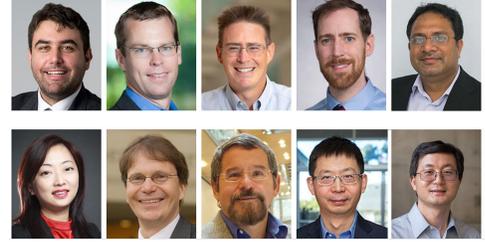
Learn more: bit.ly/CWC25years



10 faculty named in 2020 list of Highly Cited Researchers

Ten professors at the Jacobs School of Engineering are among the world's most influential researchers in their fields, according to a new research citation report from the Web of Science Group. They earned inclusion in the list of Highly Cited Researchers in 2020 by producing multiple publications that rank in the top 1% by citations in their field over the past 11 years. These luminaries are building next-generation batteries, fighting disease with nanosponges, genome engineering with CRISPR, and more.

Learn more: bit.ly/HighlyCited2020JSOE



Jacobs School alumni kickstart Dean's Scholars of Excellence program

Education is the great equalizer. Jacobs School of Engineering alumni Mary Bui-Pham and Dan Pham have seen this play out in their own lives, and are paying it forward through an endowed scholarship supporting students with outstanding academic merit, including students who have made or show potential to contribute to diversity, equity and inclusion; first generation; and low-income engineering students. Their gift launched the larger Jacobs School of Engineering Dean's Scholars of Excellence program, a school-wide scholarship program meant to advance equal access to a Jacobs School education.

Learn more: bit.ly/DeansScholarsofExcellence

Upgrades to largest outdoor shake table begin

Construction is underway on a \$16.3 million NSF-funded upgrade to the seismic simulator at UC San Diego. Over the next 10 months, the world's largest outdoor shake table will undergo major construction as it gets more actuators and more power so that it can simulate up and down, left and right, as well as pitch, roll and yaw motions, which is known as six degrees of freedom. When completed in October 2021, the shake table will be able to reproduce earthquake motions with unprecedented accuracy. Data analysis from structures tested on the shake table has led to many changes in the nation's building codes in the shake table's 15-year history.

Learn more: bit.ly/ShakeTableUpgrades



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Contact newsletter editor, Daniel Kane: dbkane@ucsd.edu

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