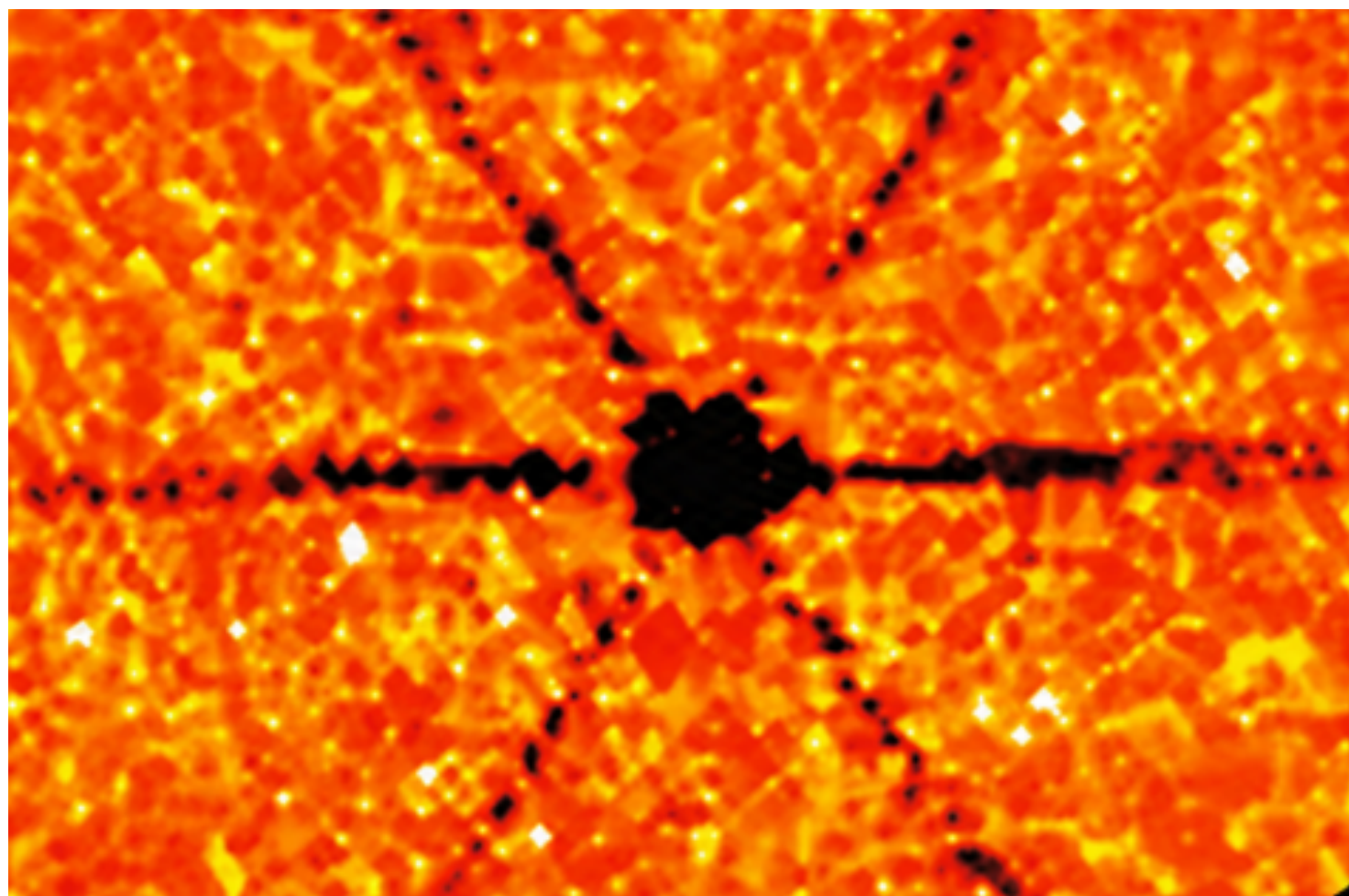


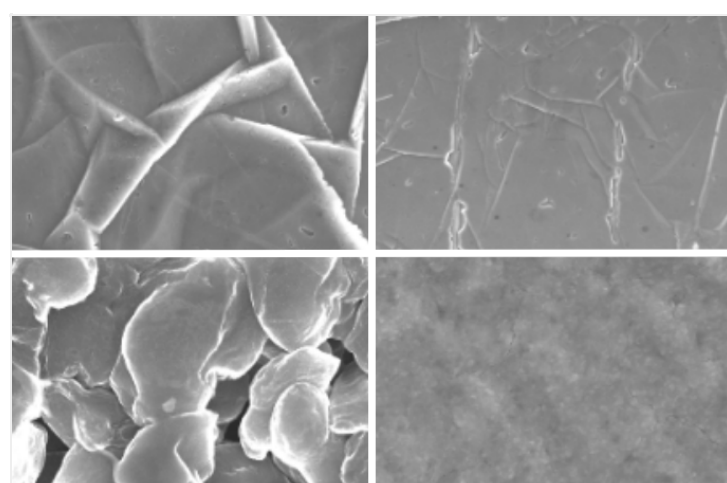
#EngineerChange

August 2026



[UCLA Engineers Observe Quantum Heat Waves at Room Temperature](#)

Led by Yongjie Hu, a professor of mechanical and aerospace engineering, the researchers have shown that phonons, atomic heat-carrying vibrations with quantum properties, can travel at room temperature in focused, ray-like paths guided by a material's crystal structure, opening up new possibilities for managing heat flow in future electronics and quantum technologies.

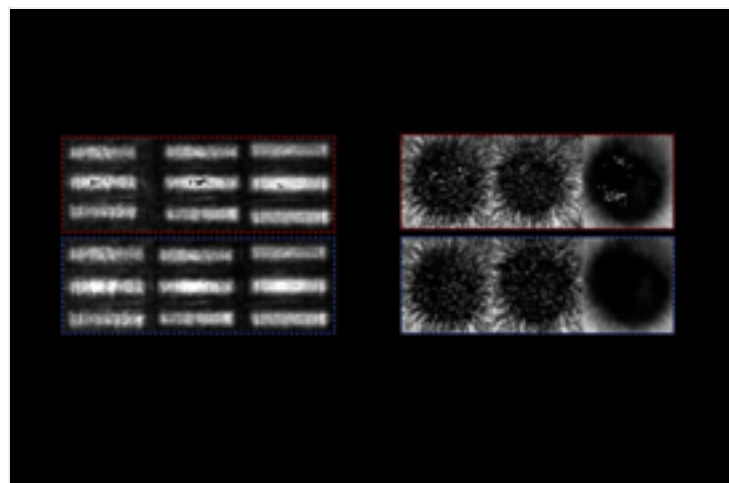


[New UCLA Engineering Studies Aim to Slow Battery Aging While Idle](#)

Yuzhang Li, an associate professor of chemical and biomolecular engineering, has published two studies showing how different next-generation metal-anode batteries lose capacity while at rest and demonstrating strategies to slow aging, providing new pathways to extend battery life.

[Biomedical Imaging, Autonomous Vehicle Sensors May Get Boost from AI Designed for Physical Signals](#)

Co-led by Sergio Carbajo, an associate professor of electrical and computer engineering, the team has demonstrated an imaging system designed to capture details within complex media, from depicting structures inside body tissue to seeing obstacles through heavy fog.



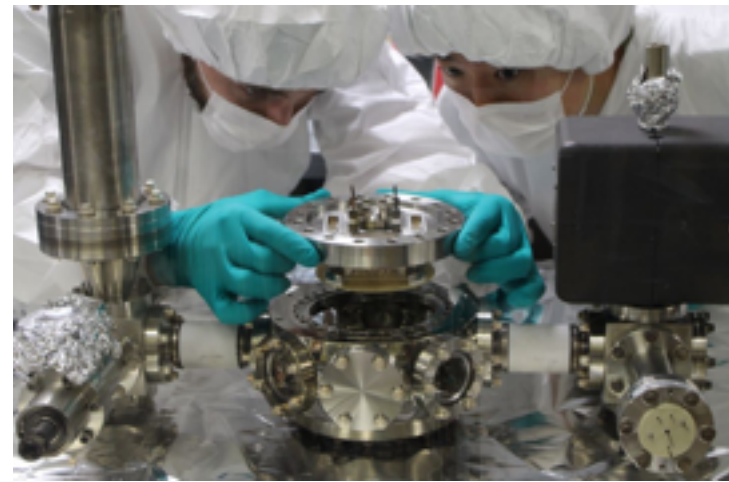
[Computer Science Professor Wei Wang Receives ACM Innovation Award](#)

Wang, a professor and chair of the Computer Science Department and holder of the Leonard Kleinrock Term Chair in Computer Science, has been recognized by the Association for Computing Machinery for her impactful contributions

to knowledge discovery and data mining.

[UCLA-Led Team Selected for National Science Foundation Quantum Technology Award](#)

The team of physicists, engineers and computer scientists, co-led by computer science professor Jens Palsberg, has received \$4 million to accelerate the development of useful quantum technologies and make advanced quantum tools available to researchers nationwide.



[22 UCLA Engineering Students and Alumni Awarded NSF Research Fellowships](#)

Recipients of the three-year graduate research fellowship, which provides a \$37,000 annual stipend and an additional \$16,000 for tuition and fees, include nine members of the Class of 2026, two of whom will continue their graduate education at UCLA Samueli.

[The Hospital Harm We Know How to Prevent — but Still Don't](#)

At a TEDxUCLA talk, Bruin Biometrics CEO Martin Burns highlighted two UCLA Samueli faculty members who helped invent a medical device to prevent bedsores — William Kaiser, a distinguished professor emeritus of electrical and computer engineering, and Majid Sarrafzadeh, a distinguished professor of computer science and holder of the Levi James Knight, Jr. Chair for Innovation.



UCLA SAMUELI IN THE NEWS

CBS NEWS

[Rescue and Recovery Continues After 7.4-Magnitude Earthquake Kills More Than 100 in Colombia](#)

Jonathan Stewart, a professor of civil and environmental engineering and holder of the Sabol-Scott Term Chair in Civil and Environmental Engineering, provides live analysis of the devastating earthquake. He is also interviewed by [NBC LA](#).



[CA Governor Candidate Xavier Becerra Proposes Free 'Power Hour' Electricity Plan](#)

Rajit Gadh, a professor of mechanical and aerospace engineering and director of UCLA's Smart Grid Energy Research Center, comments on electricity usage patterns in California, including the rise of solar energy and the importance of finding ways to use excess power when available.



[How This Contraption at UCLA Sent the First DM](#)

The October 2025 interview with computer science distinguished professor emeritus Leonard Kleinrock, whose team successfully sent the first message over the ARPANET from a networked computer at UCLA to the Stanford Research Institute in 1969, is a Los Angeles Area Emmy Award finalist in the Information Segment category.

nature

[The Dark Horse of Biology: How RNA is Becoming a Nanotool Maker's Dream](#)

Elisa Franco, a professor of mechanical and aerospace engineering and bioengineering, discusses how RNA's versatility, supported by advances in nanotechnology, is being harnessed to build a new generation of molecular tools and technologies.



['Lying Mirror' Uses Structured Surfaces to Conceal Optical Information](#)

Aydogan Ozcan, a professor of electrical and computer engineering and bioengineering and holder of the Volgenau Chair for Engineering Innovation, comments on his research that uses ordinary-looking patterns to camouflage input data.

STUDENTS



[From Slime to Skincare: UCLA Engineering Senior Blends Passion for Chemistry and Communication](#)

Nicole Guan, a rising fourth-year chemical engineering student, spent her childhood using her kitchen counter as a lab to make her own cosmetics. Today, she is exploring the intersection of engineering applications and communication.

ALUMNI



[Meet the Doctor Building Tiny Tools for Big Science Breakthroughs](#)

Steven Jonas, a UCLA Samueli materials science and engineering Ph.D. alum, is an assistant professor in the Department of Pediatrics at the David Geffen School of Medicine at UCLA. He is using nanotechnology to explore tools for fighting cancer and other diseases.



UCLA Samueli
School of Engineering

584 Engineering VI
Los Angeles, CA 90095
samueli@ucla.edu

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