



News | Fall 2022

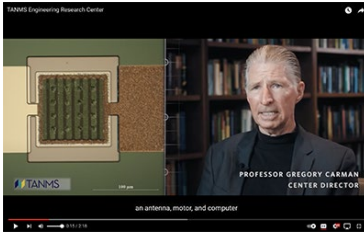
Chair's Message:

As the new chair of the Mechanical and Aerospace Engineering Department in the UCLA Samueli School of Engineering, it is my pleasure to present you, the alumni and friends of the MAE family, with this brief update of the state of our department. In addition to myself, the new departmental leadership team includes Vice Chairs — Professors Yongjie Hu (undergraduate education), Jonathan Hopkins (graduate education) and CJ Kim (academic personnel). I hope this communication will help us get reconnected again as we gradually return to normal operations after the unprecedented interruptions caused by the COVID-19 pandemic. We are of course continuing to monitor the pandemic to ensure the safety and well-being of our students, faculty and staff.

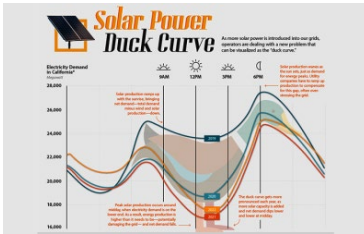


I would like to thank my predecessor Professor Tim Fisher, along with the previous Vice Chairs — Professors Jeff Eldredge, Eric Chiou and CJ Kim, for their tireless services and sacrifices to the department, especially for their leadership in guiding us through the uncertain and trying times of the last 2 1/2 years. In no small part thanks to them and our dedicated team of staff, we have emerged from the devastation of the pandemic a stronger and better department.

As a leading Mechanical and Aerospace Engineering Department in the country and around the world, our faculty and students conduct trailblazing research in broad interdisciplinary areas of mechanical and aerospace engineering from rockets and spacecraft, robots, bioengineering devices, advanced materials, to energy and sustainability.



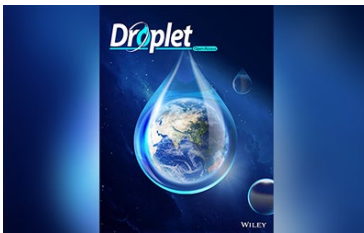
[Greg Carman: TANMS video explains their research](#)



[Rajit Gadh warns impacts of extreme heatwave on California's energy grid](#)

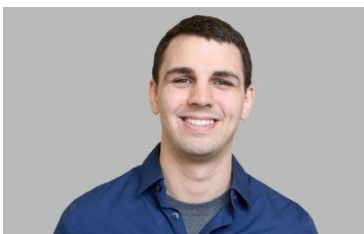


[Jonathan Hopkins designs AI material that learns behaviors and adapts to changing conditions](#)



[CJ Kim Launches New Journal 'Droplet'](#)

[FACULTY AWARDS](#)



[Tyler Clites awarded NIH New Innovator Award to develop restorative joint implants](#)



Artur Davoyan receives NASA Early Career Award for solar sail metamaterial research



Nasr Ghoniem: MMM10 holds symposium in his honor



Yongjie Hu receives \$2M research grant to push the boundaries of fundamental research



M. Khalid Jawed receives NSF CAREER award to create soft robot simulation



Ann Karagozian appointed the Collins Aerospace Term Chair for Innovation



Adrienne Lavine receives the 2022 Faculty/Staff Partnership Award

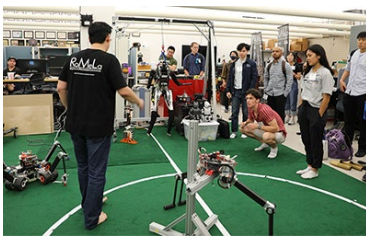


Sam Taira receives Department of Defense's most prestigious Research Grant — Vannevar Bush Faculty Fellowship

STUDENTS IN THE NEWS

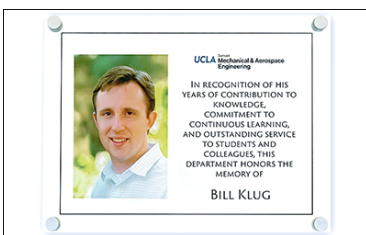


The Fast and Fastidious: Bruin Racing at UCLA



UCLA Hosts 2022 Southern California Robotics Symposium

IN MEMORIUM



UCLA Engineering Dedicates Boelter Hall Penthouse in Memory of William Klug

GETTING INVOLVED

We need your help, and your generous contributions will be greatly appreciated. Please contact [Professor Xiaolin Zhong](#), the department chair, for more information.

UCLA Samueli

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