Two new faculty strengthen robotics and bioapplication areas

Jun Sheng
Assistant Professor
Ph.D.: Robotics, Georgia Institute of Technology
Research
The Robotics and Medical Systems (RaMS) Laboratory focuses on developing surgical robotics and medical devices through innovative design, advanced fabrication, and automatic control to address fundamental health-related issues.

Erfan Nozari
Assistant Professor
Ph.D.: Mechanical Engineering, University of California, San Diego
Research
Nozar's group uses data-driven computational modeling and rigorous mathematical analysis to expand knowledge of the brain's structure-function relationship and improve stimulation techniques for neurocognitive disorders.
DARPA Young Faculty Award and Two NSF CAREER Awards

Assistant Professor Luat Vuong received the prestigious Defense Advanced Research (DARPA) Young Faculty Award to define new predictive imaging technologies.

Assistant Professors Richard Wilson and Sinisa Coh were awarded NSF Career Awards. Wilson was recognized for his research on superdiffusive heat...
transfer in nanoscale metal multilayers and Coh for his research on materials
design using motifs present in the electrons wave function.

The additions of these awards bring the total number of major young
investigator awards (YIA) for current and former ME faculty to **23.** **16 out of 26**
ME faculty have received at least one YIA award.

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**ME Chair Aguilar inducted to Mexico's NAE**

The honor recognizes
Aguilar's contributions to mechanical and
biomedical engineering, particularly in
biomedical optics and lasers, and his
pioneering work to develop a ceramic
"Window to the Brain" in collaboration with
colleagues in Mexico.

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**No furnace needed for newly developed ceramic welding technology**

Smartphones that don't scratch or shatter. Metal-free pacemakers.
These could all be made possible thanks to a new ceramic welding
technology developed by the collaborative team lead by UC
Recent Ph.D. grad's gaming simulation aims to improve air quality

Ziran Wang's immersive driving simulation platform develops a cooperative ramp merging system that reduces traffic congestion and air pollution while increasing safety.

Honoring Professor Akula Venkatram

Join us in honoring Professor Akula Venkatram's retirement after 26 years of service to UCR's Marlan and Rosemary Bourns College of Engineering. Venkatram's research interests includes urban boundary layer, micrometerology, urban air quality, and dispersion around obstacles.
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