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College of Engineering

GODDARD
B R O A D C A S T

Summer 2022



GIFT OF LOAN REPAYMENT CHANGES LIVES FOR HISPANIC FEMALE ENGINEERING STUDENTS AWARD

E. Eugene Carter describes himself as a person of privilege: an American white male born in an era when those attributes provided advantages not available to all. As a result, he created a foundation supports undergraduate female engineering students, giving priority to first-generation Hispanic women. Upon completion of their engineering degrees, recipients' Federal Direct Subsidized loans up to \$20,000 will be repaid.

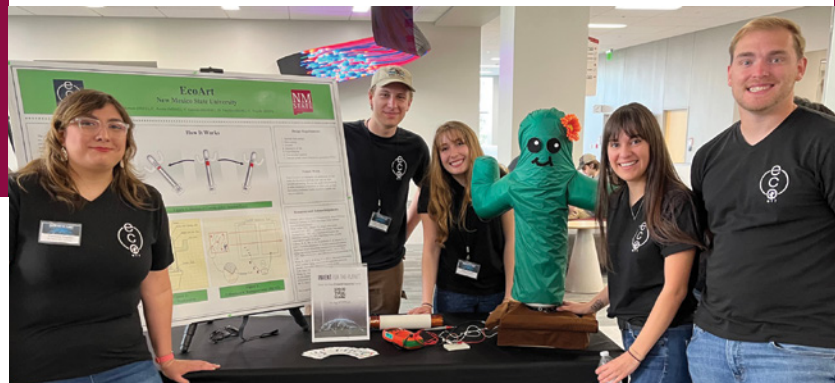
Read More: bit.ly/CarterGifts



NMSU ENGINEERING STUDENT TEAM PLACES AT INTERNATIONAL DESIGN COMPETITION

New Mexico State University's team of student engineers, E²M3, placed second at this year's Invent For The Planet (IFTP) international design competition for their project EcoArt. This is the second time a team from NMSU is selected for the final round and the first time a team placed in the top three.

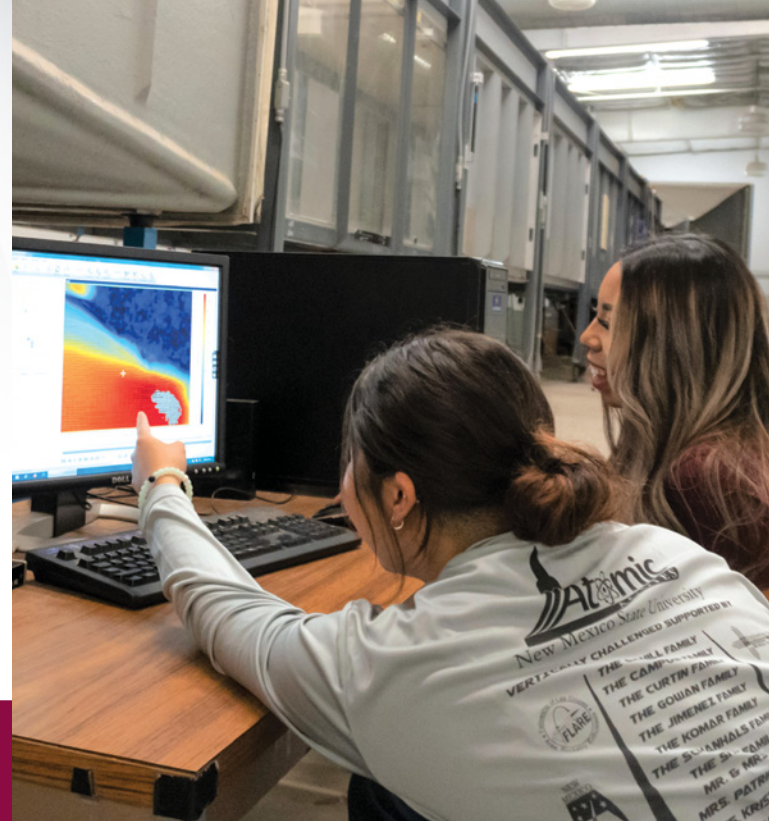
Read More: bit.ly/IFTP22



NMSU ENGINEERING AWARDED \$1 MILLION GRANT TO CREATE HYPERSONICS RESEARCH CENTER

The New Mexico State University College of Engineering is creating a niche in hypersonic research and education, and the U.S. Department of Defense has granted the college a \$1 million, two-year Defense Established Program to Stimulate Competitive Research or DEPSCoR Award.

Read More: bit.ly/HypeResearch



NM PRODUCED WATER RESEARCH CONSORTIUM AT NMSU DEVELOPS RESEARCH PLAN FOR REUSE OF PRODUCED WATER

New Mexico State University, in collaboration with the New Mexico Environment Department, is home to the New Mexico Produced Water Research Consortium. Established in 2019 to support NMED's implementation of the Produced Water Act, the College of Engineering-led consortium is a trans-disciplinary, public-private partnership composed of academia, state and federal agencies, national laboratories, non-governmental organizations and the private sector.

Read More: bit.ly/nmWater



PROFESSOR LAMBIS PAPELIS TO LEAD CARLSBAD ENVIRONMENTAL MONITORING AND RESEARCH CENTER

Civil Engineering Professor Lambis Papekis has been named director of NMSU's College of Engineering Carlsbad Environmental Monitoring and Research Center (CEMRC). Papekis will bring new leadership to meet the diverse needs of CEMRC, an internationally recognized research facility that conducts environmental and human health monitoring for the U.S. Department of Energy's Waste Isolation Pilot Plant (WIPP)—the nation's only deep geologic repository for defense-related transuranic nuclear waste.

Read More: bit.ly/LPcemrc



EMERITUS ENGINEERING PROFESSOR HONORED BY WORLDWIDE ORGANIZATION

The board of directors of the Institute of Electronic and Electronics Engineers (IEEE) has honored NMSU Emeritus Professor Satish Ranade as an IEEE Fellow, a distinction reserved for select members' extraordinary accomplishments. Ranade was recognized "for contributions to integration of renewable and distributed energy resources into power systems."

Read More: bit.ly/SatishR

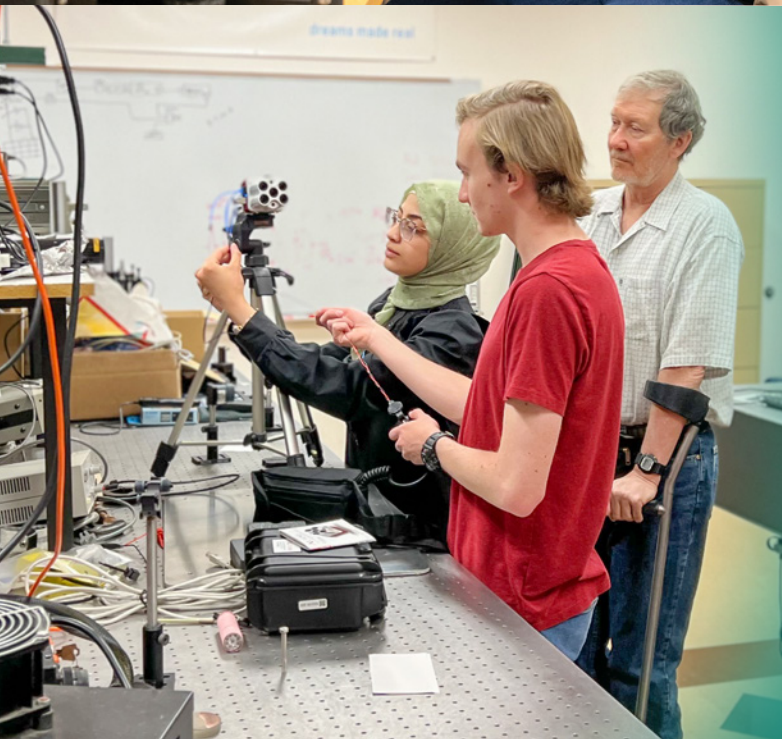




NMSU ENGINEERING PROFESSOR TESTING NEUROMORPHIC COMPUTING FOR ROBOTIC SYSTEMS

In his laboratory at New Mexico State University, Klipsch School of Electrical and Computer Engineering Assistant Professor Luis Rodolfo Garcia Carrillo is using neuromorphic computing research to advance the future of autonomous systems such as drones, satellites and robots.

Read More: bit.ly/GarciaRobotics



GRANT TO DEVELOP MACHINE LEARNING ALGORITHMS SUPPORTS NATIONAL DEFENSE RESEARCH

A team from the New Mexico State University College of Engineering has been tasked with developing machine learning algorithms in support of national defense. Professor David Voelz has been awarded a two-year, nearly \$300,000 grant from the Office of Naval Research.

Read More: bit.ly/Voelz



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“Goddard Broadcast” pays homage to wireless communication pioneer Ralph Willis Goddard, one of the founders of the engineering school in 1914, and former dean of engineering at NMSU, originally known as the New Mexico College of Agriculture and Mechanic Arts.

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