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College of Engineering

GODDARD
B R O A D C A S T

Fall 2022



CHEMICAL ENGINEERING DOCTORAL STUDENT WINS ACCESS TO SUPERCOMPUTER DESIGN COMPETITION

Childhood dreams about creating mechanisms and processes set Alma Carolina Escobosa on a path to pursue a Ph.D. in chemical engineering at NMSU. As a result, she is one of five students to earn a competitive fellowship to work on the most powerful academic supercomputer in the world at the Texas Advanced Computing Center.

<https://bit.ly/CHMEstudent>



ATOMIC AGGIES TAKE CHILE CUP IN SPACEPORT AMERICA CUP

New Mexico's monsoons hampered the Spaceport America Cup Intercollegiate Rocket Competition held June 21-25, but they didn't alter the performance of New Mexico State University's Atomic Aggies. The team won the coveted 2022 Chile Cup—a competition amongst local rivals NMSU, New Mexico Tech, the University of Texas at El Paso and the University of New Mexico.

<https://bit.ly/ChileCupNM>



NMSU TO COLLABORATE ON \$8.5 MILLION DOE GRANT TO REDUCE NUCLEAR REACTOR WASTE

Researchers at New Mexico State University are teaming up with two national labs and TerraPower, an energy company co-founded by Bill Gates, to develop a method to recycle spent nuclear fuel. The method will prevent the fuel from being used for weaponry but will help sustainably power electricity needs.

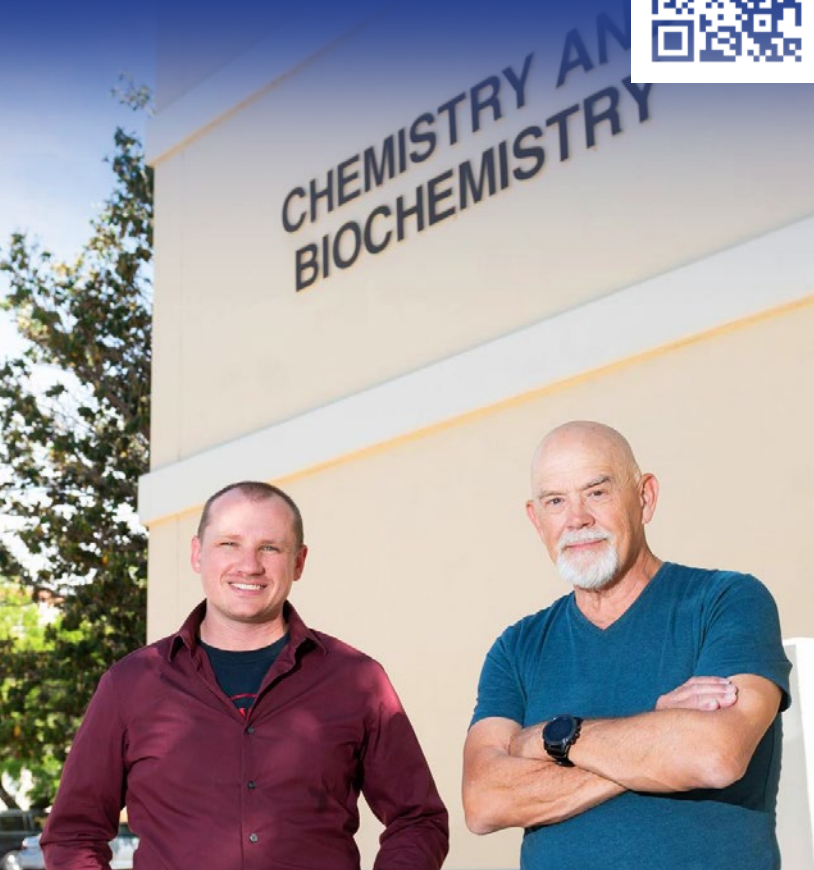
Read More: <https://bit.ly/DOEgrants>



NMSU AMONG UNIVERSITIES IN NEW NSF PROGRAM FOR RESILIENT AND INTELLIGENT NEXTG SYSTEMS

New Mexico State University is leading one of the 37 projects funded by a partnership led by the National Science Foundation containing two other government agencies and several high-profile corporations in what the NSF calls its “single largest effort to date to engage public and private partners to jointly support a research program.” NMSU is part of a select group that includes universities, such as Princeton, Yale and MIT.

Read More: <https://bit.ly/nextGSystems>



ENGINEERING ALUM ESTABLISHES ENDOWMENT TO SUPPORT FACULTY CHAIR

NMSU engineering alum Michael Gittings credits a former professor for changing the trajectory of his life. The experience inspired him to establish the Michael and June Gittings Endowed Chair in the College of Engineering.

Read More: <https://bit.ly/Gittings>



Charles L. **Johnson**



Wencil **McClenahan**

ALUMNI AWARDS RECOGNIZE BRILLIANCE, DETERMINATION AND COMPASSION

Every fall, the NMSU Alumni Association presents the university's most accomplished alumni with its highest honors — the James F. Cole Memorial Award for Service, the Distinguished Alumni Awards, and the Young Alumni Service Award. Eight new recipients were announced today as the latest honorees, with careers ranging from healthcare to high tech to Hollywood. Among them are engineering alums Charles L. (Charley) Johnson and Wencil McClenahan.

Read More: <https://bit.ly/nmsuada>



NMSU ENGINEERING PROFESSOR NAMED PRESIDENT-ELECT OF CYTOMETRY SOCIETY

Chemical and Materials Engineering Professor Jessica Perea Houston was recently voted into the position of president-elect of the International Society for Advancement of Cytometry. Her term will run until 2024 at which time she will serve as president of ISAC for one year, then past-president in 2025. She has served on the executive committee as treasurer of this society for four years as well as on the ISAC council. She also was named an International Scholar of ISAC in 2014.

Read More: <https://bit.ly/JPHouston22>



MODERNIZED NMSU GEOMATICS/SURVEYING ENGINEERING PROGRAM RECEIVES FOURTH NATIONAL PRIZE

The National Council of Examiners for Engineering and Surveying awarded its 2022 Surveying Education Grand Prize to the New Mexico State University Geomatics/Surveying Engineering program. The \$25,000 grand prize is the second received by NMSU, the first awarded in 2019. The NMSU program received a \$10,000 prize in 2017 and a \$15,000 prize in 2020 from the organization.

Read More: <https://bit.ly/ETSEgeo>



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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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