

NMSU ENGINEERING ALUMNUS HONORS FATHER WITH SCHOLARSHIP

To honor his father's legacy as a lifelong educator who was happiest in the classroom, Roy Trujillo knew he wanted to help students. As a result, Trujillo established a scholarship in the College of Engineering at New Mexico State University.

The Mr. Ben Trujillo Memorial Endowed Scholarship in the Department of Industrial Engineering will benefit young engineering students.

Read more: enr.nmsu.edu/trujillo



NMSU ENGINEERING STUDENTS TO DESIGN DEVICE TO MEASURE OCEAN TEMPERATURES

Students from the New Mexico State University College of Engineering in collaboration with NMSU's Biology Department and X2nSat, a full-service satellite network operator, are launching a project to measure Pacific Ocean temperatures during the Pacific Cup race.

As part of the Aggie Engineering Capstone Design Program, students are working as an interdisciplinary team to design a device capable of measuring ocean temperatures at various depths with the ability to store and transmit data in real time via satellite communications. X2nSat will provide the satellite communications technology and equipment to enable real-time or near real-time communications.

Read more: enr.nmsu.edu/ocean



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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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Spring 2020

NMSU ENGINEERS MAKE PERSONAL PROTECTIVE EQUIPMENT FOR AREA MEDICAL WORKERS

The Aggie Innovation Space at New Mexico State University's College of Engineering has been in high gear in recent days, as students and staff work to produce face shields for healthcare workers.

The effort is the result of conversations between Las Cruces Mayor Ken Miyagishima and NMSU Chancellor Dan Arvizu regarding the area's need for additional personal protective equipment, and other resources, to combat COVID-19.

Read more: enr.nmsu.edu/ppe



SEED INVESTMENT TO DEVELOP NMSU RESEARCH, PARTNERS WITH ARROWHEAD CENTER



New Mexico State University research will see large-scale development through seed investment and commercialization, thanks to a new partnership with VIC Technology Venture Development.

NMSU's Arrowhead Center has signed an agreement with VIC to support VIC's efforts in licensing NMSU intellectual property. VIC will create Filtravate, a business based in Las Cruces, which will develop and commercialize the manufacture of ultrafiltration membranes. Reza Foudazi, associate professor of chemical and materials engineering at NSU is a co-inventor of the Filtravate technology.

Read more: enr.nmsu.edu/seed

NMSU DESIGN TEAM TO COMPETE AT INTERNATIONAL FINALS

Microplastics polluting the Pacific Ocean could be cleaned up and recycled with the help of an invention created by Crustacean, a design team at New Mexico State University.

Competing against 40 universities worldwide, Crustacean is one of six finalists in the 48-hour Invent for The Planet (IFTP) design competition hosted by Texas A&M University. Before being selected as one of the finalists, Crustacean competed at NMSU against three local teams.

Read more: enr.nmsu.edu/crustacean



COLLEGE OF ENGINEERING CELEBRATES FACULTY AND STAFF

As part of National Engineers Week, the College of Engineering celebrated the accomplishments of faculty and staff at the Third Annual Faculty and Staff Awards Banquet. Ten awards of \$1,000 each are funded through the generous support of donors. Nominations are made by faculty and staff throughout the college and awardees are selected by a committee of peers representing all college units. Read more: enr.nmsu.edu/celebrate

"The College of Engineering is fortunate to have many faculty and staff members whose dedication and hard work contribute so greatly to the success of our students. We are equally blessed to have alumni who recognize their value in building and maintaining a vital college and generously offer their support to those who stand out among their peers," said Lakshmi N. Reddi, dean of the College of Engineering.

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NMSBREW BAKERY BEERS TAKE FIRST IN NATIONAL BREWING COMPETITION

Making beer just got a whole lot sweeter for New Mexico State University's NMSBrew team members. The Rio Grande local section from the American Institute of Chemical Engineers (AIChE) won both best-in-show and the grand prize at the 2019 AIChE Young Professionals' Beer Brewing Competition.

This is the third year NMSBrew has participated in the competition. Their Ginger Snaps mild brown ale received best-in-show; the grand prize was awarded for the combination of the Ginger Snaps beer and the "Bakery Beers" themed poster.

Read more: enr.nmsu.edu/brew



NMSU ENGINEERING STUDENTS INVESTIGATE NEW THERMAL POWER TECHNOLOGY



New Mexico State University engineering students have been assessing how a cutting-edge thermal power technology developed in the cold climes of Sweden might work in our arid environment. Their work may someday lead to an installation of the technology on campus—the first-of-its-kind in the United States and the first in a desert climate.

The project began in spring 2019 when Joshua Epel, energy advisor to NMSU Chancellor Arvizu, and Dann Epel, the U.S.-based representative for Ectogrid, a Swedish company owned by the German electric utility, E.ON., approached the NMSU College of Engineering to partner on a project. Assistant Professor Samah Ben Ayed, who teaches thermal science related courses like, thermodynamics, heat transfer, HVAC systems, and renewable energies, and does research in energy efficiency in HVAC systems, was a perfect fit for leading the project.

Read more: enr.nmsu.edu/ecto



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