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BROADCAST

BE BOLD. Shape the Future.
College of Engineering

Spring 2025



DEMOLITION UNDERWAY FOR NEW STATE-OF-THE-ART ENGINEERING BUILDING

Demolition is underway for Thomas and Brown Hall, the former home of the Klipsch School of Electrical and Computer Engineering. The development aims to enhance educational infrastructure for engineering students and faculty.

Demolition of the 50-plus-year-old facility that housed Electrical and Computer Engineering classrooms will make way for a state-of-the-art building. The new building is designed to foster the student-centric focus of the college and to provide a unique learning environment to all students on campus.

Read More: bit.ly/TandBdemo





NMSU AGAIN DESIGNATED CARNEGIE R1 UNIVERSITY

It was recently announced by the Carnegie Classification of Institutions of Higher Education that NMSU was given the R1 classification due to its “very high spending and doctorate production.” The university had been previously ranked as an R1 institution nearly 20 years ago.

Read More: bit.ly/3DQ8GGc



NMSU'S QCAM BOOSTS STEM CAREERS IN ADDITIVE MANUFACTURING

The Quality Control of Additive Manufacturing, or QCAM, Consortium housed at New Mexico State University enabling In- and Ex-Situ QCAM is making waves in STEM education and workforce development through a \$3 million federal grant from the U.S. Department of Energy's MSI's Partnership Program.

Read More: bit.ly/4iyCPbO





Shanta **Thoutam**

SHANTA THOUTAM NAMED COLLEGE OF ENGINEERING 2024 DISTINGUISHED ALUMNA

Every year since 1956, each college at NMSU honors one of its alums with the Alumni Association Distinguished Alumni Award. College of Engineering alumna Shanta Thoutam ('04 '16). During her master's and Ph.D. in electrical engineering, she worked with Arrowhead Center guiding technologies to commercialization. Later, Thoutam championed an accelerator that created 10 startups and raised more than \$2 million. Today, she is chief innovation officer of the Government of Telangana in India.

Read More: bit.ly/4IOBxbo



Manuel "Manny" **Mora**

GRATEFUL AGGIE AGGIE MAINTAINS STRONG TIES TO NMSU

NMSU electrical engineering alum Manuel "Manny" Mora ('84) credits a beloved professor with his success in engineering studies, which led to a successful 39-year career as an engineering leader in intelligence technology and his continued support of the place that gave him his beginning as an engineer.

Read More: bit.ly/4I14dRF



ENGINEERING VIDEOS RECEIVE FOUR AWARDS IN INTERNATIONAL COMPETITION

When Vladimir Avina joined the New Mexico State University College of Engineering as a student intern in 2019, he was given responsibility for a nearly non-existent online media program. Now, a senior media specialist, Avina's work has been awarded four Telly Awards, a global competition honoring "the best work in the video medium in an exciting new era of the moving image on and offline."

Read More: bit.ly/4hhYzYn



Vladimir **Avina**



Jessica **Houston**

HOUSTON RECEIVES TOP HONOR FOR RESEARCH

Jessica Houston, professor of Chemical and Materials Engineering, recently received NMSU's Westhafer Award for Excellence in Research and Creative Activity, NMSU's highest recognition for research.

Houston's research pushes the boundaries of flow cytometry, which analyzes individual cells in a fluid by passing them through a laser beam. Her research aims to revolutionize single-cell analysis and unlock a deeper understanding of cellular functions and disease mechanisms.

Read More: bit.ly/43VQ0PU



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ON THE COVER:

AIS MAKES A DIFFERENCE IN THE COMMUNITY



Engineering students made a 14-year-old boy's dream come true. Working in the Aggie Innovation Space, a student-led makerspace equipped with new technologies and the latest engineering design software and tools, engineering students adapted a bike for Danny, who has a disability due to Spina Bifida.

See Video:

www.youtube.com/watch?v=RTplVdKOBMk&t=1s

SUPPORT AGGIE ENGINEERING

bit.ly/SupportingAggies



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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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