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College of Engineering



Spring 2021

ENGINEERING FACULTY AND STAFF MEMBERS MEMBERS HONORED FOR RESEARCH ACHIEVEMENTS



Abdu Abdelkefi, associate professor of mechanical and aerospace engineering, received the Westhafer Award, the highest award for research at NMSU. His research interests include dynamics and vibrations as well as aeroelasticity. He has received a combined \$3.5 million in funding from various agencies, including the National Science Foundation, Army Research Laboratory, Los Alamos National Laboratory and Sandia National Laboratories.

Igor Sevostianov, professor of mechanical engineering and director of NMSU RISE, received the Distinguished Career Award, which honors a tenured faculty member. Sevostianov's research focuses on the micromechanics of materials. He has published more than 250 journal papers and was a co-author of three books.



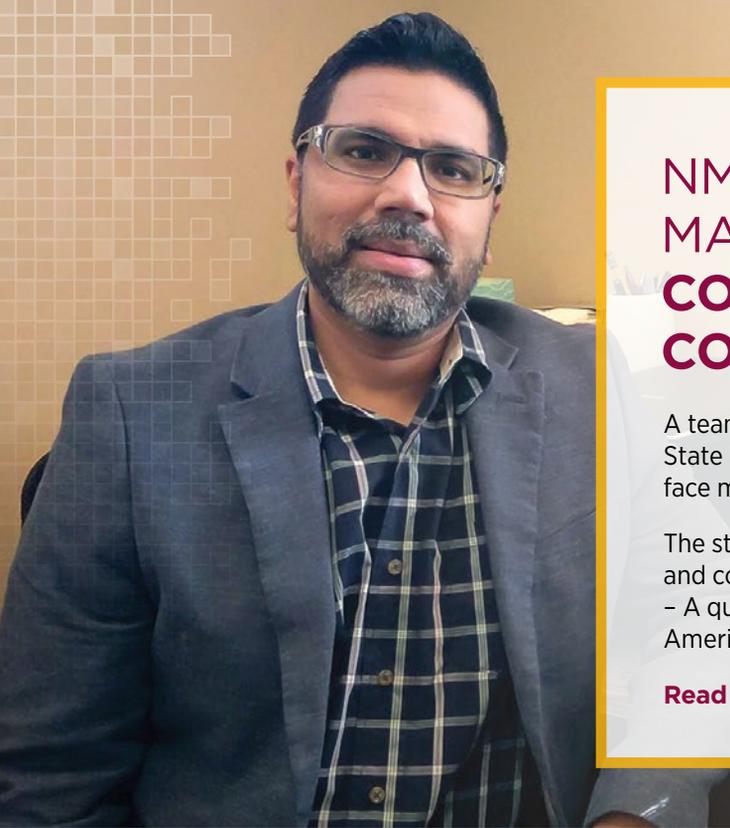
Punam Thakur, technical director/lab manager at the Carlsbad Environmental Monitoring and Research Center, received the Research Recognition Award, which honors a staff or faculty member. As the manager for the center's Radiochemistry Laboratory, Thakur oversees the radiochemistry wet lab and radiochemistry count room.



DOCUMENTARY ON RALPH WILLIS GODDARD: NEW MEXICO'S FIRST BROADCASTER

Take a trip back in time to 1920 with KRWG's television documentary "Ralph Willis Goddard: New Mexico's First Broadcaster". The documentary follows the remarkable life and tragic death of the New Mexico State University professor for whom KRWG is named and the namesake of this publication.

Read More: enr.nmsu.edu/goddard/



NMSU RESEARCHERS FIND MASKS, DISTANCE IMPORTANT COLLABORATIVE TOOLS FOR COVID-19 PROTECTION

A team of researchers from the College of Engineering at New Mexico State University have published a study that tests the effectiveness of face masks in close human interactions.

The study, “Can face masks offer protection from airborne sneeze and cough droplets in close-up, face-to-face human interactions? – A quantitative study,” was published in *Physics of Fluids*, an American Institute of Physics journal.

Read More: enr.nmsu.edu/masks/

ENGINEERS SUPPLY PERSONAL PROTECTIVE EQUIPMENT

When COVID-19 became an unfortunate part of life, NMSU College of Engineering Aggie Innovation Space employees and students added the design and production of personal protective equipment to their workload. Since then, they have supplied the Las Cruces community and the NMSU campus with much needed gear.

Read More: enr.nmsu.edu/pp



MANNY MORA HONORED AS DISTINGUISHED ALUMNUS AND INGENIERO EMINENTE

Manuel Mora, an electrical engineering alum and successful engineering leader in intelligence technology is one of the most steadfast supporters of the NMSU College of Engineering. Mora recently received one of the highest honors that NMSU bestows and one of the highest honors the College of Engineering awards. He was named 2020 Distinguished Alumni and Ingeniero Eminente for the fall 2020 College of Engineering Sociedad de Ingenieros.

Read More: enr.nmsu.edu/mora/



NMSU CHANCELLOR SERVED ON BIDEN-HARRIS ENERGY TRANSITION TEAM

NMSU Chancellor and engineering alumnus Dan Arvizu participated on the Biden-Harris U.S. Department of Energy transition review team. It was a voluntary position, not associated with his employment at NMSU.

Arvizu was director of the DOE National Renewable Energy Laboratory in Colorado from 2005 until he retired in 2015. He became chancellor in 2018. He is a former member of the National Science Board and has a Bachelor of Science in Mechanical Engineering from New Mexico State University, and a Master of Science and Ph.D. in Mechanical Engineering from Stanford University.

NEW MEXICO PRODUCED WATER RESEARCH ADDS EXXONMOBIL AS RESEARCH SPONSOR

The New Mexico Produced Water Research Consortium, at a joint effort between New Mexico State University and the New Mexico Environment Department, has received support from ExxonMobil as a research sponsor.

The sponsorship will help support the consortium's research, development, and demonstration efforts to focus on the technical and health and safety issues associated with the reuse of oil and gas produced water outside the oil and gas sector.

Read More: enr.nmsu.edu/sponsor/



NMSU, LOS ALAMOS NATIONAL LABORATORY TO COLLABORATE ON JOINT APPOINTMENTS

New Mexico State University and Los Alamos National Laboratory have signed a new institutional agreement to support joint appointments.

The joint appointments will provide opportunities for NMSU and LANL to attract, retain and recognize science and engineering staff and faculty with the goal of enhancing the quality of science, technology, education and industrial development in the region, state and nation.

Read More: enr.nmsu.edu/lanl/



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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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