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Engineering a better lift: Multidisciplinary OSU team crafts new model for strength training

REARGEAR 2.0 is a collaboration between multiple disciplines within OSU. Dr. Jason Daniel Miller of the School of Kinesiology, Applied Health and Recreation, Dr. Jerome Hausselle of the School of Mechanical and Aerospace Engineering, and Dr. Harshvardhan Singh of the Human Performance and Nutrition Research Institute oversaw the efforts of this project, which was showcased at the fall 2025 CEAT Senior Design Expo, where it earned first place.

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MAE graduate student earns national recognition for UAS weather research

Eduardo Michel, a master's student in the School of Mechanical and Aerospace Engineering, earned third place in the student presentation competition at the 26th Aviation, Range and Aerospace Meteorology Conference during the American Meteorological Society's annual meeting.

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MAE researchers focused on discovering properties of synthetic metastable materials

What properties do synthetic metastable materials such as diamonds possess? That is a question that Dr. Ritesh Sachan and his research team are look to answer through a multi-university research endeavor.





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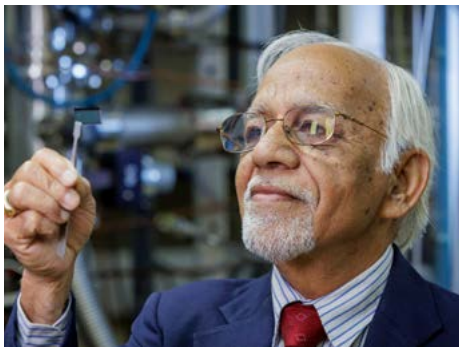
Moftakhari's team developing more efficient data center cooling tools

With vast amounts of data and the continued rise of artificial intelligence, data centers are becoming increasingly critical. In the United States alone, data centers contribute $2 trillion to the economy. There is also an increased need to make data center cooling systems smarter and more resilient. This is the topic of a three-year research project overseen by mechanical and aerospace engineering professor Dr. Ardeshir Moftakhari, funded by the National Science Foundation and in collaboration with Pennsylvania State University.

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OSU's Dr. Raj Singh named Big 12 Faculty of the Year

Dr. Raj Singh, a Regents Professor in the School of Materials, Mechatronics and Manufacturing Engineering, and a member of the National Academy of Engineering, has been named a Big 12 Faculty of the Year Award honoree. The distinction recognizes excellence in innovation, research and scholarly leadership across the conference

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OSU alumnus Rick Muncrief inducted to OSU Hall of Fame

From graduating in 1980 from OSU with a degree in petroleum engineering to becoming CEO of one of the country's largest energy producers, Rick Muncrief's career spans decades of leadership and innovation. He also made a lasting impact on the industry, all while maintaining a commitment to his alma mater. He continues to give back to OSU, his community and the next generation.

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Four CEAT students selected as OSU Outstanding Seniors

Four CEAT students were selected as Outstanding Seniors for the 2025-26 academic year by the OSU Alumni Association. Lenna Abouzahr, Sophie Hawkins, Tatumn Kennedy and Jai Simpson have shown excellence through academic achievement, campus and community involvement, academic, athletic, or extracurricular honors or awards, scholarships, and work ethic.



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Student team develops new astronaut tool dock

An OSU student team has been selected by NASA for the 2026 Microg Neutral Buoyancy Experiment Design Teams (Microg NExT) Challenge, a national program that invites undergraduate teams to design and build equipment used in astronaut training and future missions

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Dr. Mark Krzmarzick set to lead CIVE as new school head

Dr. Mark Krzmarzick holds the School of Civil and Environmental Engineering in a special place in his heart. It is where he earned his undergraduate degree and learned the ethics and service to society that civil engineers hold dear.

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ITAC's Workforce Pilot powers student pathways in energy engineering

OSU's Industrial Training & Assessment Center is doing more than cutting energy waste in buildings across the state; it's helping build the next generation of Oklahoma's energy engineers.

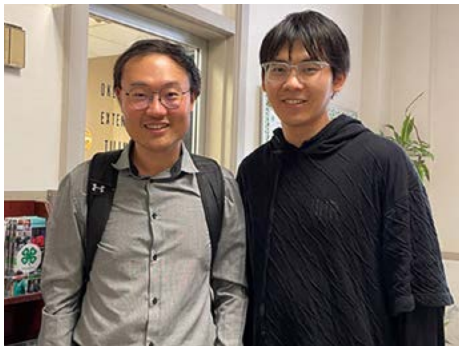
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MAE graduate research assistant, receives Graduate Excellence in Materials Science Sapphire Award

Tomar Bunty's research prowess as a mechanical and aerospace engineering graduate student was recognized with the Graduate Excellence in Materials Science Sapphire Award for his work on extreme-environment materials.





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CHE team publishes findings on breakthrough soil moisture monitoring

Dr. Zheyu Jiang and Zeyuan Song, of the School of Chemical Engineering, research innovative technologies to improve soil moisture monitoring in Oklahoma. This breakthrough research was recently featured in the prestigious Computers and Geotechnics journal.

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CEAT student utilizes interdisciplinary experience for success in MBA Case Competition

Caden Cantwell, a mechanical and aerospace engineering graduate, is pursuing his MBA. He used his engineering skillset combined with skills learned in the Spears School of Business to help his team earn first place in the OSU MBA Case Competition

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Hamid Pouya's research team's success demonstrated at Institute of Electrical and Electronics Engineers

Dr. Hamid Pouya of the School of Electrical and Computer Engineering and his students had the success of two papers being published by the Institute of Electrical and Electronics Engineers, showcasing CEAT as a hub of innovation

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CEAT graduate student Vishesh Bhadariya earns award for research success

Vishesh Bhadariya, a chemical engineering graduate research assistant, demonstrated his expertise in multiple paper presentations at the 59th American Rock Mechanics Association conference in 2025. He also was honored with the Best Poster Award at the conference.



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ARCH students benefit from a visit by Brazilian architect Marcio Sequeira

Students in the School of Architecture had the opportunity to meet and learn from Márcio Sequeira, a Brazilian architect with a master's degree in civil engineering and founder of the Mola Structural Project, which provides models that simulate many important architectural integrities.

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Alumni highlight -Charles Heller

I arrived at OSU (then Oklahoma A&M) in September 1954 - a frightened 18-year-old kid. I was 1,500 miles from home, and I knew no one except Professor Jan Tuma and his wife, Hana. A mere five years earlier, I had landed in America, knowing two words of English: “sank you.

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OSU alumnus James Lansford named IEEE Life Fellow

OSU electrical and computer engineering alumnus James Lansford has been named a Life Fellow of the Institute of Electrical and Electronics Engineers, effective Jan. 1, 2026, in recognition of his leadership in wireless standards and wireless coexistence.

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OSU architectural engineering alumna Carrie Johnson receives NCSEA Lifetime Achievement Award

Carrie Johnson, P.E., S.E., a graduate of OSU’s architectural engineering program, has been honored with the Lifetime Achievement Award from the National Council of Structural Engineers Associations. The award recognizes Johnson’s decades-long leadership, service and lasting contributions to structural engineering.



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CEAT alumnus Dr. Ali Fazel advances health care solutions for Oklahomans

For Dr. Ali Fazel, a 1983 doctoral graduate of the School of Civil and Environmental Engineering, engineering has always been about people. After more than 35 years leading Accurate Environmental LLC as CEO and director of environmental services, Fazel has built a career focused on improving environmental quality and public health.

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SEMINAR SPEAKERS

MARCH 2026

CEAT SEMINAR SERIES

March 10 (ES 140)

Justin Wilson

President and Managing Director at Plains Ventures - "Understanding Venture Capital as a Fuel for Innovation"

March 24 (EN 450)

Simona Liguori

Assistant Professor in the Department of Chemical and Biomolecular Engineering at Clarkson University - "Inorganic Membranes: An Intensified Approach to Transforming Chemicals Separations"

March 31 (ES 140)

Darton Zink

President and CEO of Zeeco - "Expanding on a Legacy: The Challenges of a Young President and CEO"

March 31 (EN 450)

Quigang (Jay) Lu

Assistant professor of chemical engineering at Texas Tech - "AI for System Resilience: Optimization, Prediction and Monitoring in Energy and Process Systems"

Check out the upcoming scheduled speakers!

April 7 (ARCH 170)

Tim Page-Bottorff

Senior Director for Health, Safety, Security, Environment and Quality for Jones Lang LaSalle IP, Inc. - "Stop. Collaborate. Listen."

April 14 (Tulsa Helmerich Research Center)

Jamey Jacob

OSU MAE Professor - "The Universe Wants You Dead"

April 14 (EN 450)

Alexander Dowling

Associate Professor of Energy and the Environment at the University of Notre Dame - "Optimizing Experiments: From Data-Driven to Intrusive Model-Based Methods

