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## CEAT team unveils process for 3D-printed concrete columns at 2025 Senior Design Expo

Students in the Oklahoma State University School of Civil and Environmental Engineering in the College of Engineering, Architecture and Technology studying under Dr. Tyler Ley, accomplished a world-first by 3D printing a reinforced concrete column for their capstone project during the Fall 2025 Senior Design Expo. At the Senior Design Expo, the team was recognized with the Zink Center Award for Collaborative Innovation.

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## Cowboy Combustion: Pistol Pete's Propulsion Posse pushes OSU propulsion to new heights

Pistol Pete's Propulsion Posse (P4), officially formed in September 2025, is an organization of dedicated students of all majors at OSU who are interested in jet propulsion. Graduate students who have studied under Rouser for several years are mentors in the group, while younger students are exposed to more hands-on opportunities than were available previously.

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## Dr. Seung Ra earns 2024-25 OSU Global Education Faculty Excellence Award

For distinguished excellence in international teaching, research, programs and activities, Dr. Seung Ra has been awarded the 2024-25 Global Education Faculty Excellence Award from Oklahoma State University Global. Ra is a professor in the School of Architecture, where he has taught since 2009. His expertise centers on architectural design studios



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## CEAT's new Aircraft and Atmospheric Interactions Research Laboratory

The Aircraft and Atmospheric Interactions Research Laboratory is leading pioneering research at the intersection of autonomous systems, multi-modal sensing, atmospheric science and aeronautical engineering. The lab focuses on developing Weather-sensing Unmanned Aerial Systems and investigating how low-altitude weather phenomena affect the performance, safety and efficiency of next-generation aircraft — particularly small unmanned aerial vehicles and emerging Advanced Air Mobility platforms.



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## OSU FST receives grant for new mobile fire lab for Advanced Fire Behavior course

Oklahoma State University's College of Engineering, Architecture and Technology Fire Service Training program is a leader in utilizing research, professional experience and training to ensure firefighters are equipped to save lives and property. FST's Advanced Fire Behavior course, which has been taught for 15 years, will soon be enhanced thanks to an Assistance to Firefighters Grant from the Federal Emergency Management Agency of more than \$196,000 to purchase a new mobile fire lab.

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## Dr. Akash Deep named among SME's 30 Under 30

Rather than simply improving machines, Dr. Akash Deep is teaching them to learn — a step that could redefine how industries design, build and innovate. Deep, assistant professor for the School of Industrial Engineering and Management, has been named to the Society of Manufacturing Engineers 30 Under 30 Class of 2025, recognizing emerging leaders transforming the future of advanced manufacturing.

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## Two CHE student teams finish first in AIChE design contest

Students in the School of Chemical Engineering in the College of Engineering, Architecture and Technology at Oklahoma State University continue to showcase high-level success on the national stage at the AIChE Annual Student Conference in Boston on Nov. 2.



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## Dr. Ruiqing Shen targets safer firefighting with advanced hydrogel technology

What happens when water, the world's most common firefighting agent, isn't adequate? Dr. Ruiqing Shen with the College of Engineering, Architecture and Technology aims to provide the answer. With support from a new NSF EPSCoR Research Fellows award, Oklahoma State University is leading the way in next-generation fire suppression technology through the work of Shen, assistant professor of fire protection and safety engineering technology in the School of Fire, Construction and Emergency Management.





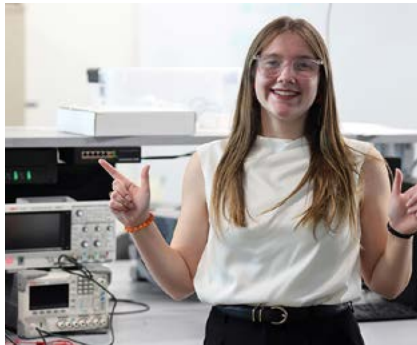
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## IEM's Dr. Jennifer Glenn receives ASEE Outstanding Teaching Award

The American Society for Engineering Education honors engineering educators who dedicate their knowledge and expertise to the next generation of engineers. In recognition of her outstanding efforts to educate students in the College of Engineering, Architecture and Technology, Dr. Jennifer Glenn has been honored with the 2025 ASEE Midwest Region's Outstanding Teaching Award.

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## ECE student named a Truman Scholarship nominee

Abigail McCrary was recently announced as an Oklahoma State University institutional nominee for the Truman Scholarship. Nominees reflect the public service commitment that Truman advocated throughout his career.

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## CEAT faculty and staff well represented at two university award celebrations

Oklahoma State University recognized outstanding faculty and staff achievements during two major events in December: the annual University Awards Convocation on Dec. 9, 2025, and the Staff Advisory Council Distinguished Service Awards banquet on Dec. 11, 2025. Members of the College of Engineering, Architecture and Technology were prominently represented at both ceremonies.

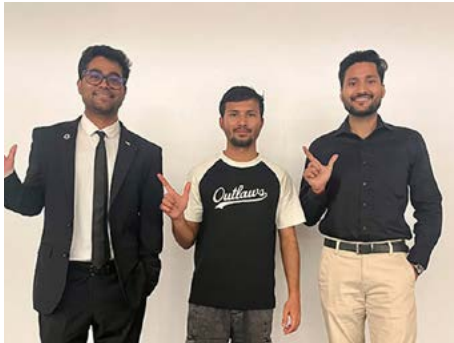


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## Christine Brockman successfully defends Ph.D. dissertation

Christine Brockman, a materials science and engineering Ph.D. candidate in the School of Materials, Mechatronics & Manufacturing Engineering, successfully defended her dissertation on October 10, 2025. Her research, entitled Multimodal Approach for the In-Situ Investigation of High Temperature Tensile Behavior and Damage Progression of SiCf/SiC Ceramic Matrix Minicomposites, involved the mechanical testing of ceramic matrix composite systems at temperatures up to 2700°F (1482°C).



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## Three CEAT graduate students shine in Three Minute Thesis competition

Oklahoma State University College of Engineering, Architecture and Technology graduate students Vishesh Bhadariya, Bunt Tomar and Suman Poudel rose to the top during the CEAT portion of the Three Minute Thesis (3MT) competition hosted by the OSU Graduate College.

They competed first against their CEAT peers in the preliminaries, then took part in the university-wide portion of the competition. Poudel's thesis was then selected as the overall winner for the university.



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## OSU mechanical engineering student awarded Central Oklahoma ASHRAE scholarship

Rasheed Shittu, a second-year Ph.D. student in mechanical and aerospace engineering at Oklahoma State University, has been selected to receive the Central Oklahoma ASHRAE Scholarship through the Oklahoma City Community Foundation for the 2025-26 academic year.



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## Alumni Highlight - Louis Thomason

When Dr. Louis Thomason started his freshman year at OSU in 1956 after graduating from Enid High School, he was tasked with taking the first steps of his monumental career hike. He began his ascent when he was welcomed into the industry by International Business Machines Co., working in Software Architecture and Design after graduating with a Ph.D. in electrical engineering





# SEMINAR SPEAKERS

JANUARY 2026



CEAT  
SEMINAR SERIES

**Feb. 17 (Zink Center)**

**Trey Lowe**

Senior VP and CTO of Devon Energy  
*Technology Innovations in the Energy Sector*

**March 10 (Zink Center)**

**Justin Wilson**

President and Marketing Director of Plains Ventures  
*Understanding Venture Capital as a Fuel for Innovation*

**March 31 (Zink Center)**

**Darton Zink**

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

**April 14 (Tulsa Helmrich Research Center Atrium)**

**Jamey Jacob**

OSU MAE Professor  
*The Universe Wants You Dead*

[Check out the upcoming scheduled speakers!](#)