



# CEAT HIGHLIGHTS

OCTOBER 31, 2024



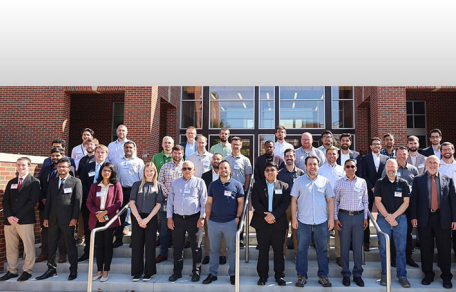
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## Great Plains Center of Excellence hosts inaugural conference on clean energy, workforce development

The Great Plains Center of Excellence convened its inaugural conference at the Hamm Institute for American Energy in Oklahoma City. Held on Sept. 9-10, this landmark event attracted 100-plus participants from various states, including Washington, D.C., Texas, New Jersey, Colorado, Missouri, and California. It brought together experts, industry leaders and educators to discuss advancements in the clean energy sector

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## Future shining brightly for Center for Integrated Building Systems

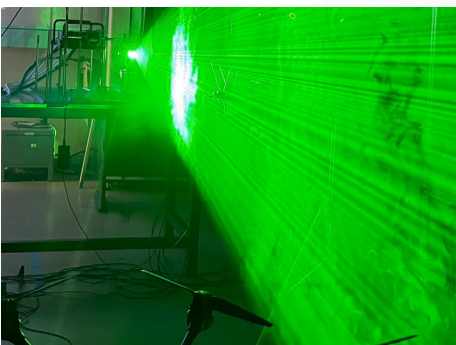
The bright future of the Center for Integrated Building Systems at OSU was on display during the Fall 2024 Project Proposal and Update Meeting.

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## Chemical engineering professor awarded an FDA grant to improve drug delivery to the lungs

Dr. Yu Feng, an associate professor in the School of Chemical Engineering at Oklahoma State University, was recently awarded a \$599,999 FDA grant as the principal investigator.



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## Dr. Jamey Jacob researching solutions to turbulence in unmanned aerial systems

Unmanned aerial systems, commonly known as drones, are becoming essential tools in various fields ranging from agriculture to disaster response. However, operating them in turbulent environments, especially urban areas where wind patterns are unpredictable, presents an enormous challenge. Dr. Jamey Jacob and his team are working to solve this problem through physical turbulence simulations under a new grant from the National Science Foundation in collaboration with the Swiss National Science Foundation.



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### Alumnus Nelsen making global impact in machine learning and computational science

Dr. Nicholas H. Nelsen, a 2018 OSU graduate, has quickly emerged as a notable figure in the fields of computational mathematics and machine learning. His academic journey, which began with receiving three undergraduate degrees — mechanical engineering and aerospace engineering from CEAT and mathematics from the College of Arts and Sciences — has led him on a path of success.



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### Dr. Sunderesh Heragu talks about the impact of weather on the supply chain

In an increasingly unpredictable world, small parcel shipping companies must navigate a variety of disruptions—from hurricanes to droughts and wildfires. Dr. Heragu shares five strategies for weather-proofing the supply chain, ensuring timely delivery even in the face of these challenges.

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### Join Cowboy Racing for the annual Fall Frenzy Race

Join Cowboy Racing for the annual Fall Frenzy Race held at Oklahoma State University. The Cowboy Racing team will compete against K-State, OU and WSU in an endurance race.



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### Honors College students honored in 2024 award presentation

The Fall Honors College Award Presentation took place on Friday, Sept. 27 in the Student Union Little Theatre. The ceremony recognized students who received the General Honors award, departmental or college honors award, best essay for xL learning or a Donald and Sally Moore or Pill Scholarship during the 2023-24 academic year. A total of 147 honors award recipients were invited to the ceremony.





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## The School of Electrical and Computer Engineering announced first class of ECE Miller Research Scholars

In the fall of 2024, the School of Electrical and Computer Engineering (ECE) introduced a new initiative aimed at encouraging undergraduate students to engage in research with ECE faculty members. This initiative is supported by the Lynn T. Miller fund through the OSU foundation and will provide annual funding for ten Miller Scholars, each receiving \$2,000



## Join CEAT for the upcoming Senior Design Expo!

We hope you will join us for our Fall 2024 Senior Design Expo taking place from 8 a.m. to 4:30 p.m. on November 22, at ENDEAVOR Lab.

