



CEAT HIGHLIGHTS

AUGUST 21, 2025



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Oklahoma State University researcher developing ultralow-cost SWIR sensor technology

Dr. Do Young Kim, associate professor of materials science and engineering for the CEAT, has received a subaward from Ghost Display Technologies LLC for a Department of Energy STTR Phase I grant to develop a groundbreaking shortwave infrared (SWIR) sensor that could revolutionize imaging technologies across industries.

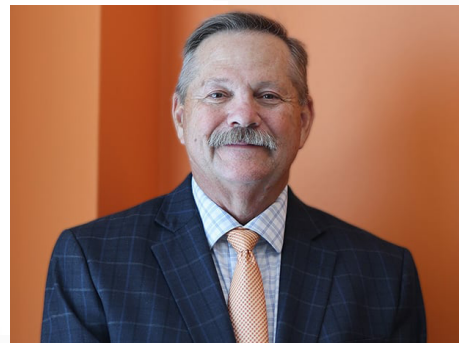
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CEAT leads national effort to bring high-tech construction careers to rural classrooms

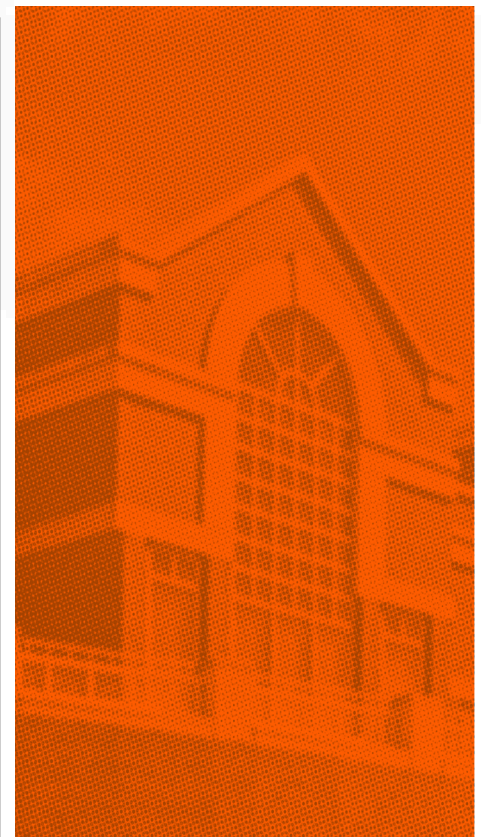
The future of construction could be unlike anything seen before in America. With technology, projects are brought to life before a foundation is even poured. But rural areas lack access to this type of construction education. The College of Engineering, Architecture and Technology's Dr. Rachel Mosier and her collaborative team plan to solve this issue.

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Collins named head of Industrial Engineering and Management

Oklahoma State University's College of Engineering, Architecture and Technology announced that Dr. Terry Collins has been appointed interim head of the School of Industrial Engineering and Management, effective Aug. 12. He will continue his role as director of OSU's Master of Science in Engineering and Technology Management program.



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OSU Fire Service Training's new burn building to further modernize, expand program

The College of Engineering, Architecture and Technology at Oklahoma State University has a longstanding tradition of equipping firefighters with the skillsets necessary to save lives. The Fire Service Training program in CEAT has prepared Oklahoma's firefighters and emergency responders to meet challenges faced in the line of duty since 1931. The program continues to evolve to incorporate new technology and tactics to modernize the training offered.



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The breath between breakthroughs: Dr. Heather Fahlenkamp and the science of saving lungs

Dr. Heather Fahlenkamp grew up in Enid, Oklahoma, developing an early appreciation for biomedical engineering by accompanying her diabetic grandmother to the local dialysis center. She earned her B.S. (1997) and Ph.D. in Chemical Engineering (2003) at Oklahoma State University, with a M.S. in Bioengineering from the University of Utah (2000) in between. After completing her doctorate, Fahlenkamp worked for three years as a research scientist at VaxDesign Corporation, where she helped design immune-system models for rapid vaccine development.

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OSU student launches patent-pending athletic training device with CEAT support

What began as one student's idea during a hitting slump is now a patent-pending product brought to life through the innovation ecosystem at OSU and the support of the College of Engineering, Architecture and Technology

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OSU's Heragu inducted into Oklahoma Higher Education Heritage Society Hall of Fame

Dr. Sunderesh Heragu, regents professor in the School of Industrial Engineering and Management at OSU, has been inducted into the Oklahoma Higher Education Heritage Society Hall of Fame, one of the state's highest academic honors.

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OSU chapter of Association of Energy Engineers shines with national awards

Energy efficiency is a global concept. From new technologies and discoveries to the upkeep of national energy systems. The Association of Energy Engineers is an example of this, providing top of the line certifications, cutting-edge training and connecting its members to its worldwide community. Students in Oklahoma State University's College of Engineering, Architecture and Technology are beneficiaries of this community through the OSU student chapter of the American Association of Energy Engineers. This chapter has led to tremendous opportunities for students to be successful in the energy industry



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AUGUST 21, 2025

8TH ANNUAL

9/11 Memorial

SEPT. 06 | **MEET @ 7:30 AM** | **START @ 8:00 AM**

STAIR CLIMB

GATE 3 WEST BOONE PICKENS STADIUM // PARKING AVAILABLE IN LOT 10

CLIMB THE EQUIVALENT OF 110 FLOORS IN BOONE PICKENS STADIUM TO HONOR THOSE 343 FIREFIGHTERS WHO LOST THEIR LIVES TRYING TO SAVE OTHERS IN THE ATTACK ON THE WORLD TRADE CENTER TOWERS IN NYC ON SEPT 11, 2001.

Funds raised to benefit the National Fallen Firefighters Foundation. <https://www.firehero.org/>.
Registration is free for our climbers and volunteers. Sponsorship information is available by scanning the QR code below.

Sponsored by OSU Fire Protection Society

Co-Sponsored by OSU Firefighter Combat Challenge Team



CEAT SEMINAR SERIES

Sept. 2 (MMME)

Dr. Dileep Singh

Argonne National Laboratory
Additive manufacturing of a SiC based Heat Exchanger for Harsh Environments

Sept. 9 (CHE)

Dr. Kosma Szutkowski

Mapping long-range 3D lithium diffusion in solid electrolytes using pulsed-field gradient NMR and MD simulations

Sept. 10 (ARCH)

Dr. Kim Yao, FAIA

Architecture. Research. Office.

Sept. 16 (PETE)

Dr. Christine Ehlig - Economides

University of Houston
Models for emerging enhanced geothermal system concepts

Check out the upcoming scheduled speakers!

