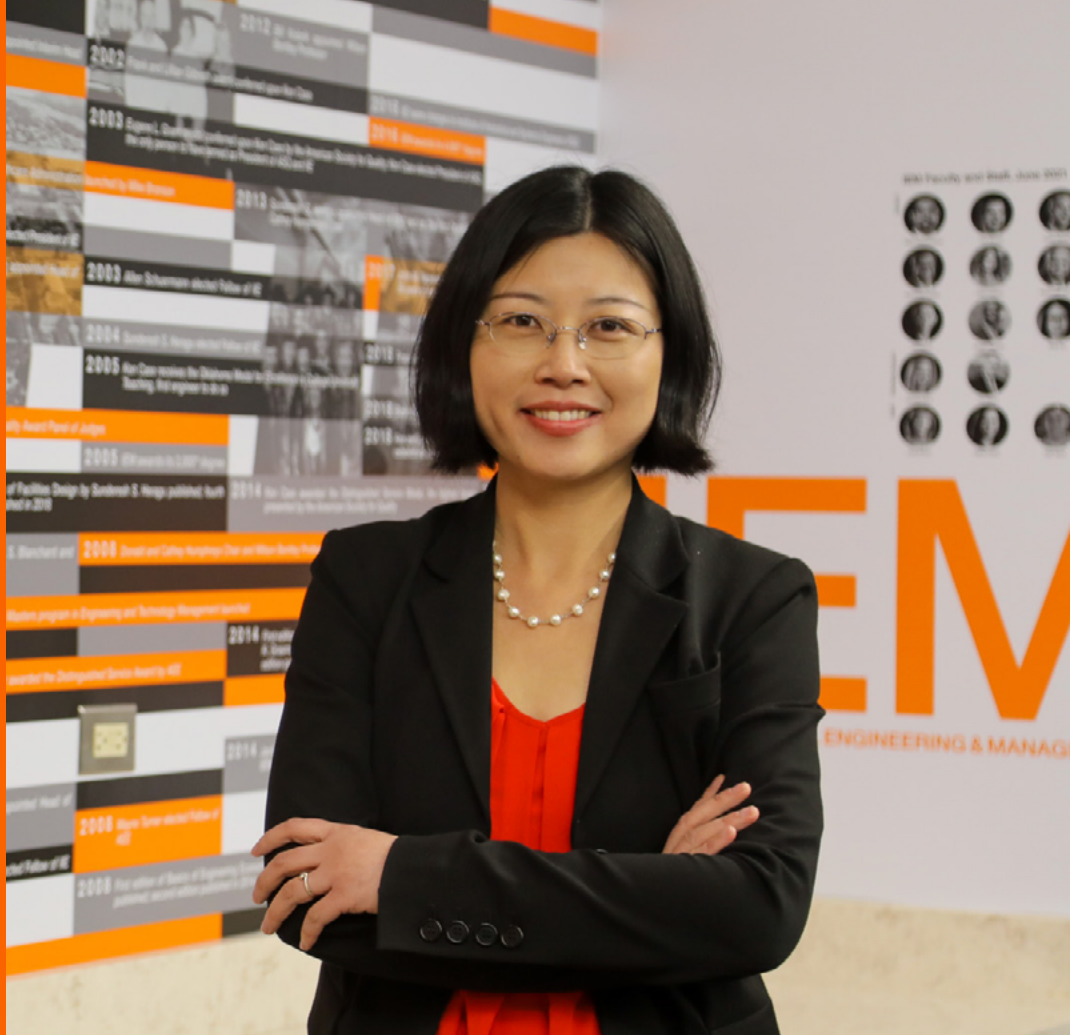


SPRING 2025

# IEM NEWSLETTER



## **Dear IEM family and friends,**

Greetings from the School of Industrial Engineering and Management (IEM) at Oklahoma State University!

As we wrap up the Spring 2025 semester, our school has much to celebrate. Our faculty, students, and alumni have demonstrated research, teaching, and service excellence through various local, regional, national, and international awards and recognitions. I invite you all to check out the entire newsletter.

As the third-oldest Industrial Engineering program in the nation, Oklahoma State University graduated the first IEM student in 1926. The school is planning for IEM's centennial celebration in 2026. Please share your thoughts and ideas as we plan for this momentous event.

Thank you all for your hard work, support, and dedication. Together we make IEM. I look forward to meeting you on campus or during my trips to where you are.

## **Go Pokes!**

## **Guiping Hu, PhD**

Professor and Head  
Donald & Cathey Humphreys Chair  
School of Industrial Engineering and  
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## OSU's Cognitive Performance Lab advanced high-stakes decision-making research

The Cognitive Performance (CoPe) Lab, directed by Dr. Pratima Saravanan, assistant professor at IEM, is transforming how professionals operate under pressure in fields such as health care, firefighting, and rural public health.

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## CEAT and IEM well represented at the 2025 Cowboy100 Honoree Gala

Hosted by the Riata Center for Innovation and Entrepreneurship, in conjunction with the Oklahoma State University Foundation, the Cowboy100 honored the top 73 OSU owned-or-led businesses at the fourth annual Honoree Gala on March 28.

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## Dr. Paritosh Ramanan's paper accepted at the 2025 ICLR

Dr. Paritosh Ramanan's paper was accepted at the 2025 International Conference on Learning Representations (ICLR) regarding federated learning for decentralized anomaly detection (joint work with Georgia Tech). For reference, ICLR is one of the most impactful publication venues in ML and AI. It also figures in the list of top cited venues across all disciplines as per Google scholar.

“It was a tough journey, but one of my proudest moments as a researcher thus far.”

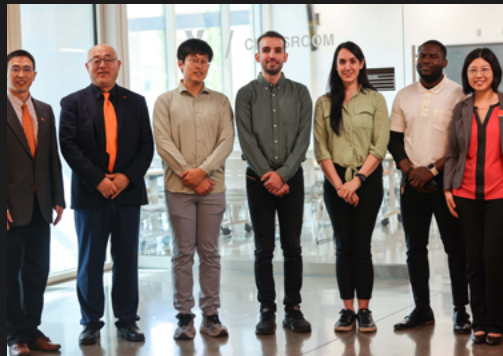
**-PARITOSH RAMANAN**





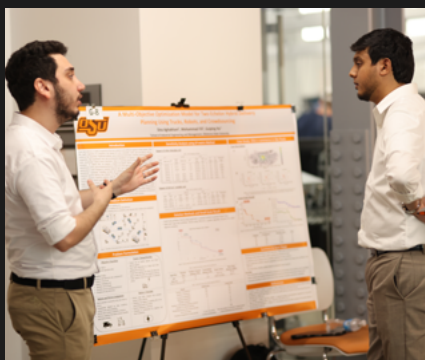
## IEM undergraduate and graduate Research Symposium

The IEM undergraduate and graduate student Research Symposium was held on April 17 and was a huge success with over 60 people in attendance! 13 undergraduate students and 17 graduate students entered, and were judged by IEM faculty, alumni, and members of the IAB and TCA. There were four undergraduate winners and four graduate winners.



### The undergraduate student winners:

Macie <b>WHITNEY</b>	Emmeline <b>NESSER</b>
Olive <b>LOGAN</b>	Sara <b>KENNEDY</b>
Ryan <b>LESLIE</b>	Trinity <b>YOUNG</b>
Aaron <b>MCKINSTRY</b>	
Jonas <b>SWOPE</b>	



### The graduate student winners:

Maral <b>SHAHMIZAD</b>	Emmanuel <b>YANGUE</b>
Mahyar <b>MAHMOUDI</b>	Ethan <b>O'CONNOR</b>
Ziyang <b>ZHANG</b>	



## **IEM hosted an event aimed at educating students about disciplines in engineering**

On February 26, IEM supported an event aimed at educating students about the various disciplines of engineering, especially industrial engineering and management. Many early-CEAT students are unaware of IEM and the benefits of choosing the area of study as a career. The event served 100 early-CEAT students and was supported by department heads and faculty which sat with each student in a round table/speed dating format. Students reported finding great value in the event which will act as a glue to the college and a great introduction to IEM and other engineering disciplines.



## **Dr. Lizhi Wang received a 3-year \$600k grant from the U.S.-Israel Binational Agricultural Research and Development**

Dr. Lizhi Wang received a 3-year \$600k grant from the US-Israel Binational Agricultural Research and Development. The title of the grant is "Creation and Validation of a Digital Twin Model for Improving Almond Production". The project PI is Dr. Tarin Paz-Kagan from Ben-Gurion University of the Negev, Israel, and Wang the OSU PI.



[!\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\) READ MORE](#)



## **Luann Bowman retires**

Luann Bowman served OSU for 14 years and served as an administrative associate in IEM for four years. She retired in May and will be missed!



“The ELATES Executive Leadership program at Drexel has been a fantastic personal and professional growth experience. It’s been so great to get to know and grow with so many fabulous leaders from the US and Canada. Special thanks go to Sharon Walker and her team for making this intensive program so smooth and fun. I look forward to practicing the learnings along this journey!”

-GUIPING HU

## Dr. Guiping Hu completed the ELATES program at Drexel University

Dr. Guiping Hu successfully finished the ELATES program at Drexel University. ELATES at Drexel is a national leadership development program designed to promote senior women faculty, and faculty allies of all genders, in leadership for academic engineering, computer science, and other STEM fields into effective institutional leadership roles within their schools and universities.



## Dr. Austin Buchanan joined the Board of the INFORMS Computing Society

Dr. Austin Buchanan recently joined the Board of the INFORMS Computing Society. He was elected to a 3-year term (2025 - 2027).

His research group’s paper was named the third districting paper by Operations Research.

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## The Zink Center Leadership Seminar Series welcomed Ning So

The Zink Center Leadership Seminar Series welcomed Ning So on March 25, who presented “Leadership: Technology, Innovation & Entrepreneurship”.

An Alumni of OSU, Mr. So earned his master’s degree in telecommunications engineering in 1998. He is now the managing partner of Wentworth Capital LLC and has been actively investing in various industries for over 10 years.



## **IEM Awards and Ken Case Society Banquet**

The IEM Awards and Ken Case Society Banquet was held on April 18 and was attended by IEM faculty, staff, students and members of the IAB and TCA. The event was held to recognize faculty and students for their achievements and to honor the late Dr. Ken Case.

### **Award recipients honored at the banquet:**

#### **ETHAN O'CONNOR**

IEM Undergraduate Leadership

#### **MORROW ENTREKIN**

IEM Outstanding Sophomore

#### **KEAGAN REYNOLDS**

IEM Outstanding Junior Award

#### **GRACE HENDRIX**

IEM Outstanding Senior Award

#### **DR. CHENANG LIU**

IEM Excellent Faculty Junior Researcher

#### **DR. TIEMING LIU**

IEM Excellent Faculty Senior Researcher

#### **DR. JENNIFER GLENN**

IEM Impact Award

#### **DR. AKASH DEEP**

Excellent Junior Teacher Award

#### **DR. AUSTIN BUCHANAN**

Excellent Senior Teacher Award

#### **PARISA MOHEBBI**

Excellent Graduate Teaching Award

#### **MARAL SHAHMIZAD**

Excellent Graduate Research Award

#### **ENRICO LAOH**

Graduate Student Leadership Award





## **Jimmy Uba received the Honorary Graduate Commencement Marshal Award**

The Honorary Graduate Commencement Marshal recognition is the highest honor bestowed on doctoral and master's degree graduates at each commencement.

Marshals have demonstrated scholarly achievement as evidenced by academic performance and discipline-appropriate scholarly contributions that capture the essence of our land-grant mission. Marshals receive a monetary award, are recognized at either the fall or spring commencement, and lead the graduates in the processional, recession, and awarding of the diploma covers.

## **Loryn Grace Hendrix selected as OSU Outstanding Senior**

The Outstanding Seniors award recognizes seniors who show excellence through academic achievement; campus and community involvement; academic, athletic or extracurricular honors or awards; scholarships; and work ethic during their time at OSU.

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## **Dr. Mohammad Fili was invited to the ISTAART Alzheimer's Association Podcast**

Dr. Mohammad Fili was invited to the ISTAART Alzheimer's Association Podcast to discuss how machine learning and brain imaging are advancing our understanding of cognition. They explored their recent study, which leveraged machine learning and resting-state functional MRI to distinguish between cognitive decliners and positive agers.

[▶ LISTEN HERE](#)







## **Drs. Guiping Hu and Lizhi Wang kicked off the Chicken Digital Twin project**

Drs. Guiping Hu and Lizhi Wang kicked off the Chicken Digital Twin project supported by National Science Foundation (NSF). This is a great collaboration between Engineering and Animal Science.

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## **Alumni highlight: Stan Stephenson**

Stan received his bachelor's degree in mechanical engineering from Texas Tech, but when he was asked to develop a reliability program for Halliburton's Production Enhancement and Cementing Equipment lines in 1999, he knew he needed something more. He officially enrolled in OSU's Master of Science in Engineering and Technology Management program.

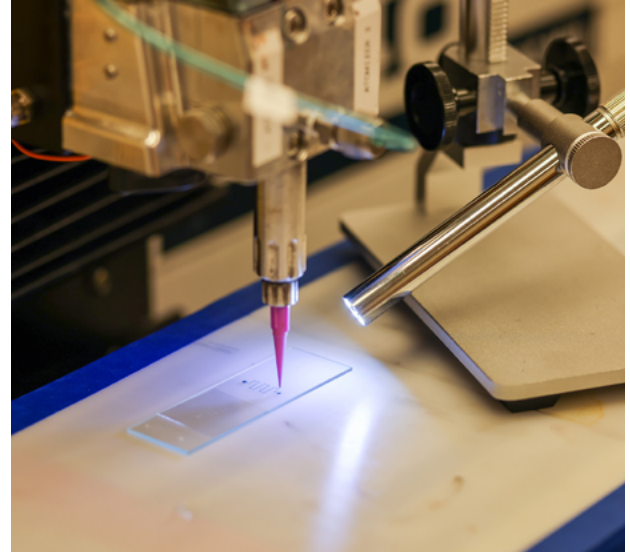
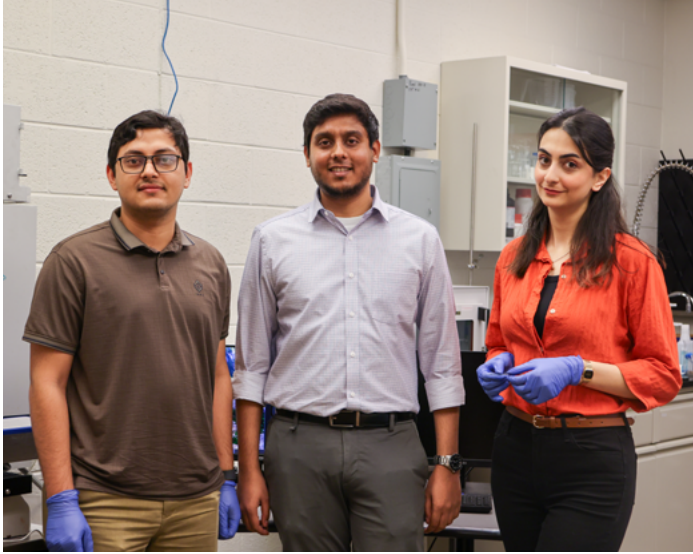
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## **Dr. Akash Deep received new sub-award**

Dr. Akash Deep has a new sub-award from the University of Wisconsin-Madison titled "Research on Data Science and Machine Learning for Business Process Improvement and Automation". The industry-sponsor is Jewelers Mutual Insurance Group.





## Dr. Srikanthan Ramesh explores 3D printing innovations

Dr. Srikanthan Ramesh is set to explore 3D printing innovations with NASA scientists. Ramesh, assistant professor for IEM, has been awarded a NASA Established Program to Simulate Competitive Research (EPSCoR) travel grant.

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## IEM student Ethan O'Connor earned the grand prize with his research presentation at Research Day at the Capitol

Bringing bold ideas and a land-grant spirit, four Oklahoma State University students were selected to compete in the 30th annual Research Day at the Capitol.

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## CEAT held banquet to honor faculty, staff and students

The College of Engineering, Architecture and Technology recognized faculty, staff and students for outstanding teaching, research, performance and service during the 2025 Faculty, Staff and Student Awards Banquet on April 15 at the ConocoPhillips OSU Alumni Center.

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