The Ohio State University
College of Engineering
Industrial & Systems Engineering Department

Spring 2025 ISE Newsletter

A Message from the Chair

Dr. Yesser Dessouky

As our academic year wraps up, we reflect on a year filled with growth, innovation, and meaningful connections. We welcomed new faculty members Dr. Omar Ashour, Dr. Ali Kamar, and Dr. Ayca Erdogan, expanded our research labs, and saw our students and faculty achieve remarkable milestones. From winning awards to securing research grants, our community continues to thrive in the spirit of exploration and innovation. We also saw our students and faculty shine at conferences, from the INFORMS Annual Meeting to the Industrial Engineering Research Conference, where our students presented research and connected with industry leaders.

The Industrial and Systems Engineering (ISE) Department is proud to continue its commitment to student success, research excellence, and community impact. As we look ahead to next year, we invite you to stay connected, share your stories, and celebrate the achievements of our students and faculty. Thank you for your support and for being part of our journey. We hope you enjoy this edition of the ISE newsletter and look forward to your feedback!

Please share your thoughts with us at ise@osu.edu. Let's continue to build a community that fosters innovation, collaboration, and impact. Wishing you a wonderful summer and a successful next year!

Announcing The Vy and Timothy Li Laboratory for Healthcare Research

The Department is pleased to announce the Vy and Timothy Li Laboratory for Healthcare Research, a state-of-the-art facility dedicated to advancing research in healthcare systems, patient safety, and clinical decision-making. The laboratory is named in honor of Vy and Timothy Li, whose generous support has made this vision a reality. The Vy and Timothy Li Laboratory for Healthcare Research will provide faculty and students with access to advanced simulation tools, human factors analysis, and data-driven decision support systems. The laboratory supports cross-disciplinary collaboration between engineering and healthcare professionals, fostering innovation that directly addresses real-world challenges in patient safety, healthcare delivery, and system resilience.

Click here for further information about the Vy and Timothy Li Lab.

Student Honors and Awards

Applied Materials Sponsors 5 New Scholarships

Applied Materials has generously established five new scholarships for students in the Department of Industrial and Systems Engineering, with a total value of $1,000 per recipient. These gifts are designed to support students who demonstrate strong academic performance and a commitment to engineering excellence. The scholarships will provide financial assistance to students in ISE, helping them focus on their studies and pursue deep engineering or course-specific coursework. Applied Materials is a global leader in semiconductor and advanced manufacturing technology, and its support underscores the importance of developing skilled engineers who will shape the future of technology and manufacturing.

Dhanushkodi | **Mirek Di Hyacit** | **Victor Ho**

Martha Sherman | **Yusuf Roshan** | **Ishan Pujara**

2025 ISE Undergraduate Awards

Yusuf Roshan
Senior Award for Excellence in Industrial & Systems Engineering

Ishan Pujara
Senior Award for Excellence in Industrial & Systems Engineering

Mirek Di Hyacit
Senior Award for Excellence in Industrial & Systems Engineering

Victor Ho
Senior Award for Excellence in Industrial & Systems Engineering

Click here to read more about the Industrial & Systems Engineering Awards.

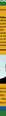
2024 ISE Jerde Scholarship

Yusuf Roshan

Congratulations to our student, Yusuf Roshan, who received the Jerde Scholarship for the 2024-2025 academic year. Yusuf is a senior in Industrial and Systems Engineering and has been a very active student in the department. He is a member of the Industrial Engineering Student Advisory Council, a member of the Alpha Pi Mu honor society, and a member of the Tau Beta Pi honor society. Yusuf is also a student ambassador for the College of Engineering and a student tutor for the Engineering Education Program. He is also a student worker in the Department of Industrial and Systems Engineering.

Read more about Yusuf.

Announcing The Jeanne Iverson Memorial Scholarship



Jeanne Iverson

The Jeanne Iverson Memorial Scholarship was established in 2024 by her family and friends to honor her memory and her lifelong commitment to the Industrial and Systems Engineering Department at Ohio State. Jeanne was a dedicated supporter of her husband, Dave Iverson, throughout his academic career, and her kindness, generosity, and quiet strength left a lasting impression on those who knew her. This scholarship reflects the values she lived by—compassion, support, and a deep sense of community—and will help students who share her spirit continue her legacy.

Click here to read more about the Jeanne Iverson Memorial Scholarship.

The 2025 Lumen Honorees Announced

Jordan Kalamaki
Undergraduate

Jordan is a senior in Industrial and Systems Engineering with a minor in Human Factors and Ergonomics. He is a student worker in the Department of Industrial and Systems Engineering, a student tutor for the Engineering Education Program, and a member of the Tau Beta Pi honor society. Jordan is also a student ambassador for the College of Engineering.

Omar Ashour
Graduate

Omar is a Ph.D. student in Industrial and Systems Engineering. He is a student worker in the Department of Industrial and Systems Engineering and a student tutor for the Engineering Education Program. He is also a member of the Alpha Pi Mu honor society and the Tau Beta Pi honor society.

Read about Omar.

Read about Jordan.

Faculty Honors and Awards

Winner of the 2024 SJSU Early Career Investigator Award
Winner of the 2025 College of Engineering Faculty Award for Excellence in Scholarship

Dr. Gaojian Huang

Dr. Gaojian Huang's research focuses on the intersection of human factors, data analytics, and healthcare systems, aiming to enhance patient safety and clinical decision-making through data-driven approaches. His work integrates machine learning, natural language processing, and human factors engineering to analyze electronic health records and healthcare workflows, with the goal of developing scalable tools that support clinicians and improve patient outcomes. His research has been supported by the National Science Foundation, the National Institutes of Health, and industry partners, including Amazon and Microsoft. He has served as a faculty member at the University of Pittsburgh and Ohio State University, where he teaches courses in human factors, data analytics, and healthcare systems. He has also served as a faculty fellow at the Veterans Health Administration, where he worked on patient safety initiatives and clinical decision support systems. His teaching and mentoring have been recognized with awards from the College of Engineering at Ohio State and the University of Pittsburgh. He is a member of the Human Factors and Ergonomics Society, the Institute for Operations Research and the Management Sciences, and the American Medical Informatics Association. He holds a Ph.D. in Industrial Engineering from Purdue University and a B.S. in Industrial Engineering from Tsinghua University.

Click for Gaojian's Google Scholar page.

Winner of the 2024 SJSU College of Engineering Outstanding Lecturer Award

Dr. Supreeta Amin

Dr. Amin holds a Ph.D. in Industrial and Systems Engineering from Ohio State University, an M.S. in Industrial Engineering from Purdue University, and a B.S. in Industrial Engineering from Gujarat Technological University. Her teaching interests include operations research, data analytics, and engineering design. She has received multiple awards for her teaching, including the Outstanding Lecturer Award from the College of Engineering at San José State University, where she has been a faculty member since 2018. She is a member of the Institute for Operations Research and the Management Sciences and the American Society for Engineering Education.

Click here for Supreeta's Google Scholar page.

Winner of the 2024 SJSU Industry-Sponsored Research Award

Dr. Ali Kamar

Dr. Ali Kamar's research focuses on the intersection of human factors, data analytics, and healthcare systems, aiming to enhance patient safety and clinical decision-making through data-driven approaches. His work integrates machine learning, natural language processing, and human factors engineering to analyze electronic health records and healthcare workflows, with the goal of developing scalable tools that support clinicians and improve patient outcomes. His research has been supported by the National Science Foundation, the National Institutes of Health, and industry partners, including Amazon and Microsoft. He has served as a faculty member at the University of Pittsburgh and Ohio State University, where he teaches courses in human factors, data analytics, and healthcare systems. He has also served as a faculty fellow at the Veterans Health Administration, where he worked on patient safety initiatives and clinical decision support systems. His teaching and mentoring have been recognized with awards from the College of Engineering at Ohio State and the University of Pittsburgh. He is a member of the Human Factors and Ergonomics Society, the Institute for Operations Research and the Management Sciences, and the American Medical Informatics Association. He holds a Ph.D. in Industrial Engineering from Purdue University and a B.S. in Industrial Engineering from Tsinghua University.

Click here for Ali's Google Scholar page.

Faculty Milestones

Dr. Jerald Yoon
Tenured from SJSU to OSU

Congratulations to our Industrial and Systems Engineering alum Dr. Jerald Yoon, who recently received tenure at Ohio State University. Dr. Yoon, who graduated in 2014 from the Industrial and Systems Engineering program at Ohio State, is now a Tenured Associate Professor at Ohio State University. Dr. Yoon's research focuses on the intersection of human factors, data analytics, and healthcare systems, with a particular focus on patient safety and clinical decision-making. His work has been supported by the National Science Foundation, the National Institutes of Health, and industry partners, including Amazon and Microsoft. He has served as a faculty member at the University of Pittsburgh and Ohio State University, where he teaches courses in human factors, data analytics, and healthcare systems. He has also served as a faculty fellow at the Veterans Health Administration, where he worked on patient safety initiatives and clinical decision support systems. His teaching and mentoring have been recognized with awards from the College of Engineering at Ohio State and the University of Pittsburgh. He is a member of the Human Factors and Ergonomics Society, the Institute for Operations Research and the Management Sciences, and the American Medical Informatics Association. He holds a Ph.D. in Industrial Engineering from Purdue University and a B.S. in Industrial Engineering from Tsinghua University.

Dr. Ayca Erdogan
Promoted from Associate to Full Professor

Congratulations to our Industrial and Systems Engineering faculty member Dr. Ayca Erdogan, who recently received tenure. Dr. Ayca Erdogan is the Associate Director of the Center for Logistics, Distribution, and Supply Chain Management and teaches courses in operations research, data analytics, and supply chain management. Her research focuses on the intersection of human factors, data analytics, and healthcare systems, with a particular focus on patient safety and clinical decision-making. Her work has been supported by the National Science Foundation, the National Institutes of Health, and industry partners, including Amazon and Microsoft. She has served as a faculty member at the University of Pittsburgh and Ohio State University, where she teaches courses in human factors, data analytics, and healthcare systems. She has also served as a faculty fellow at the Veterans Health Administration, where she worked on patient safety initiatives and clinical decision support systems. Her teaching and mentoring have been recognized with awards from the College of Engineering at Ohio State and the University of Pittsburgh. She is a member of the Human Factors and Ergonomics Society, the Institute for Operations Research and the Management Sciences, and the American Medical Informatics Association. She holds a Ph.D. in Industrial Engineering from Purdue University and a B.S. in Industrial Engineering from Tsinghua University.

Our Research Spotlight is on ...

The NIH Division of Computer and Network Systems (DCNS) Program Director, Dr. Sandra Mau
Demonstrating Broad Faculty and Edge Computing in Human-Policy-Technology and Collaboration Considering Human Factors

The NIH/NIAP project addresses the need to support collaboration between human factors researchers and cybersecurity researchers to develop human-centered cybersecurity tools and practices. The project includes a series of workshops, panel sessions, and conferences. The project is led by Dr. Sandra Mau, Program Director, National Institutes of Health (NIH) Division of Computer and Network Systems (DCNS). The project is being carried out by a team of human factors researchers from Ohio State University, Carnegie Mellon University, and Pennsylvania State University. The project is funded by the National Institutes of Health (NIH) Division of Computer and Network Systems (DCNS).

Click the image below to view the Computer Game of 2022. ISE faculty publications, presentations, awards, and participation.

Click here to view the Computer Game of 2022.

Click here to view the Computer Game of 2023.

Click here to view the Computer Game of 2024.

Click here to view the Computer Game of 2025.

Congratulations to our Industrial Engineering (IE) 23 Graduates!

Each December, IE 23 was recognized during its capstone. Graduating in December 2023 were Ashley Bell, Ethan Bell, Ethan Bell, Ethan