

INDUSTRIAL & SYSTEMS ENGINEERING

DEPARTMENT OF BIOMEDICAL, INDUSTRIAL AND
HUMAN FACTORS ENGINEERING

SPRING 2021



BIE WEBSITE

CHAIR'S MESSAGE

Welcome to the Industrial & Systems / Human Factors Engineering Spring 2021 newsletter. I am Subhashini Ganapathy, alumna, associate professor, and chair of the department. We offer degrees at the bachelor's, master's, and doctoral level, and our program provides individuals opportunity and skills to pursue a fascinating, important, and rewarding career.

Our programs are unique, flexible, and can be completed online. You can complete the final two years of the BS ISE program entirely online, giving you the opportunity to finish your degree without sacrificing your job or family commitments. Our graduate program in industrial and human factors engineering has been ranked as one of the best online engineering programs in the country by U.S. News & World Report for more than five years consecutively. Our students are employed nationally at various organizations such as Amazon, Kroger, Tesla, Intel, Google, Honda, as well as at consulting, government, and academic institutions around the world.

I hope you find the newsletter informative. Whether you are a prospective student or parent, an alumni, industry partner, or just interested please don't hesitate to reach out to us.

Subhashini Ganapathy, Associate Professor and Chair



WRIGHT STATE'S INDUSTRIAL & HUMAN FACTORS ENGINEERING MASTERS PROGRAM AMONG NATION'S BEST

U.S. News & World Report has named the MS Industrial and Human Factors Engineering among the best in the nation for all online engineering programs in 2021. The IHE Program was ranked No. 37 out of 97 ranked schools.

The magazine based its rankings on instructor engagement with students, student excellence, student services and technology, expert opinion, and faculty credentials and training. IHE scored especially high in faculty credentials and student engagement with this highly customizable degree. It prepares working professionals for effective design and operation of a variety of systems in health care, manufacturing, distribution, retail, and many others.

DETAILS



ISE NEWS



NEW FACULTY: DR. VICTOR MIDDLETON

Dr. Middleton comes to Wright State as a Senior Operations Research Analyst with over 40 years' of experience developing, implementing, and applying mathematical models and simulations for a wide variety of studies. He completed his Ph.D. in Industrial Engineering at Wright State University with a dissertation entitled: Imperfect Situation Analysis: Representing the Role of Error and Uncertainty in Modeling, Simulation & Analysis. His current research focus is on the use of intelligent agent technologies and the incorporation of situation awareness, decision-making under uncertainty, and other cognitive aspects of individual behaviors into Monte Carlo simulations of human behavior.

NEW FACULTY: DR. ROBERT MYERS

Dr. Robert (Bob) Myers is a research engineer and instructor at Wright State University and Indiana Wesleyan University. Bob received a Masters in Engineering Innovation and Entrepreneurship in 2010 and Ph.D. in Engineering in 2016, following 32 years in Dayton's automotive industry as an Industrial Controls and Lean/Six Sigma manufacturing engineer. As an IISE Senior Member, his research interests include interruptions experienced by nurses during their workday and the application of systems engineering principles to healthcare delivery challenges. Bob has a consulting firm (Fixineer, LLC), and operates a 60-acre grain farm, providing a daily stimulus to his innovative thinking.



ISE IS FUN & IMPROVES OUR WORLD TEDXDAYTON

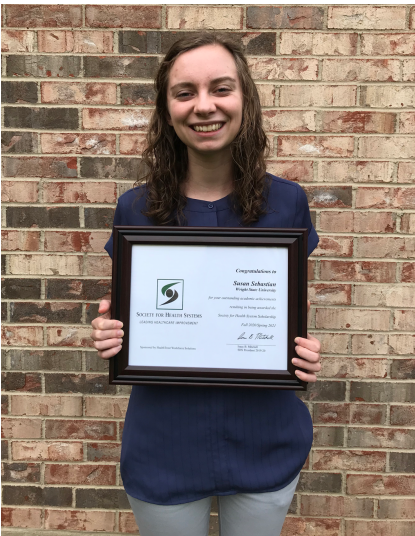
It is easy to pigeon-hole all engineering careers as being heavy on math and tedium and light on variety and fun. At least, that is what Subhashini thought even as her father encouraged her to pursue a career in engineering. Then she discovered the world of Industrial & Systems Engineering, and everything changed. From her experience as an ISE working in the disparate worlds of Pokemon Go and Disneyland logistics to computing hardware design and emergency paramedics response, Subhashini shows how the work life of an ISE is as invigorating as it is technical.

[WATCH HERE](#)

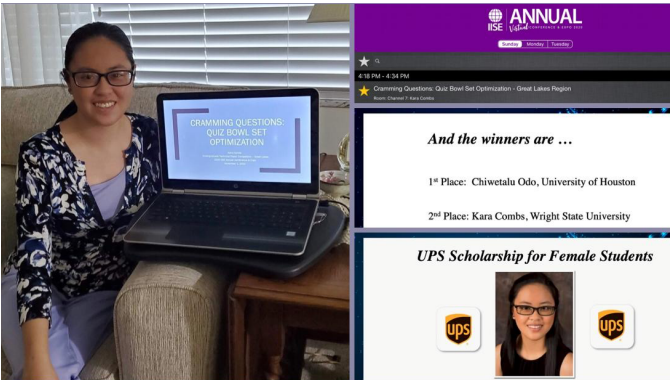
STUDENT HIGHLIGHTS



Meet our 2020 - 2021 Wright State IISE officers!



Susan Sebastian was awarded the \$1,000 Society for Health Systems Scholarship which is awarded to undergraduate ISE students with a specific interest in healthcare. Congratulations Susan!!



Congratulations Kara Combs on winning the prestigious UPS Scholarship for Female Students and second place in the Undergraduate Technical Paper Competition for project - Cramming Questions: Quiz Bowl Set Optimization.

Kylie Saner is a rising ISE senior who is working as an Industrial Engineering Intern at L3Harris Technologies in Mason, OH. At her internship, she assists with data mining and analysis to increase the overall efficiency and to optimize the flow in manufacturing. She also prepares and helps deliver business results to other manufacturing and engineering functions.



ALUMNI SPOTLIGHT HALLE SPAHR



Halle graduated in May 2020 from Wright State University with a Bachelor's in ISE. She is now a Manufacturing Engineer at Hartzell Air Movement. She was offered an internship through an internship course offered by Brandberry Career Development Center where what seemed like a mock interview turned out to be the beginning of her career. This class prepared her with the skills to interview and communicate effectively with employers. Working as an intern facilitated her ability to work with others and learn to be a part of the team. She grew professionally and personally as an intern which led to receiving an offer for a full-time position after graduation.

