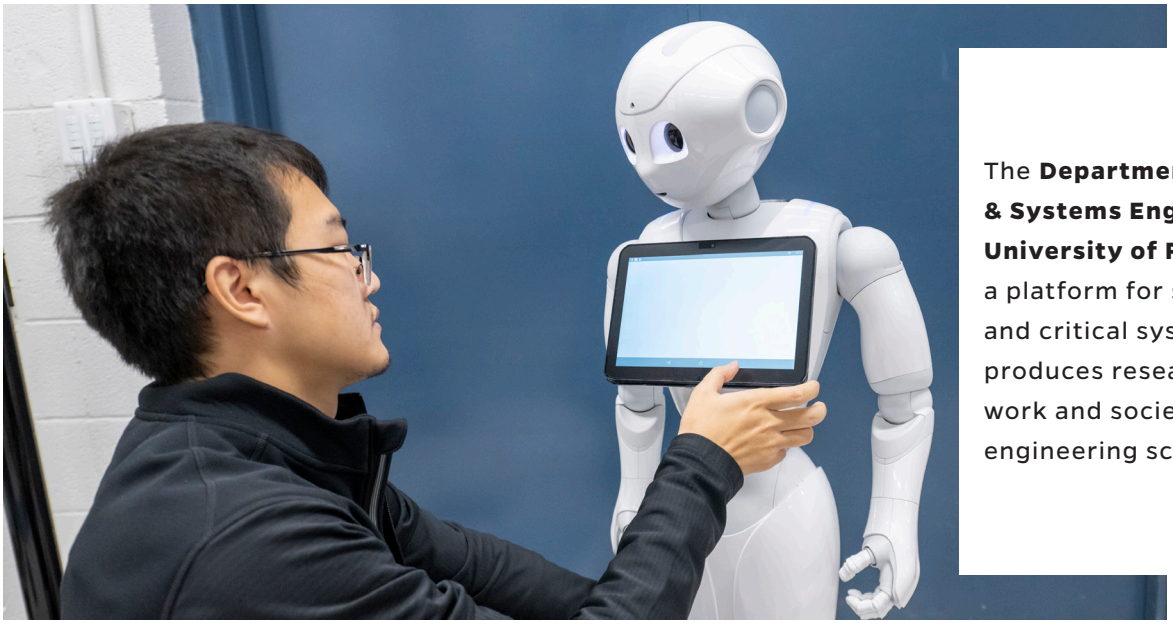
UF UNIVERSITY of FLORIDA

DEPARTMENT OF

INDUSTRIAL & SYSTEMS ENGINEERING

RESEARCH



The **Department of Industrial & Systems Engineering at the University of Florida** provides a platform for student creative and critical systems thinking that produces research transforming work and society through engineering science.

COLLABORATION

UF ISE faculty are currently collaborating with the **College of Liberal Arts and Sciences**, **College of Agricultural and Life Sciences, College of Design, Construction and Planning, College of Human & Health Performance, College of Education, College of Nursing, and UF Health**.

RESEARCH AREAS

- Advanced Manufacturing
- Data Analytics
- Health Systems
- Human Systems
- Operations Research
- Smart Production & Logistics Systems

$7M | IN CURRENT RESEARCH AWARD FUNDING

TOP FUNDING AGENCIES

77% NSF

8% DOD

3% DOE, ONR, USDA NIFA

UF UNIVERSITY of FLORIDA

DEPARTMENT OF

INDUSTRIAL & SYSTEMS ENGINEERING

TENURED/TENURE-TRACK FACULTY

ELIF AKÇALI, PH.D.

Michael Durham Professor in Creativity, Associate Professor
Inventory and supply chain systems, lean production systems, sustainability and creativity

BOYI HU, PH.D.

Associate Professor
Human motion analysis for rehabilitation and human-robot interaction

IRIS V. RIVERO, PH.D.

Department Chair, Paul and Heidi Brown Preeminent Chair in Industrial and Systems Engineering
Advanced manufacturing, 3D printing, hybrid manufacturing, materials design, biomanufacturing, and nondestructive testing

LEO HAMED AMINI, PH.D.

Associate Professor
Quantitative finance, financial technology, systemic risk and stochastic systems

ALEKSANDR KAZACHKOV, PH.D.

Assistant Professor
Discrete optimization, computational economics, fair mechanisms design

JORGE A. SEFAIR, PH.D.

Associate Chair for Graduate Studies, Associate Professor
Discrete, network, and multilevel optimization applied to environmental planning, public policy, and logistics

SUMAN CHOWDHURY, PH.D.

Associate Professor
Computational biomechanics, traumatic brain injury, multiscale brain modeling, ergonomics, and helmets, exoskeleton and prosthetic designs

MINHEE KIM, PH.D.

Assistant Professor
Statistical modeling & predictive analysis of industrial & engineering systems, engineering-informed machine learning, quality engineering

YU YANG, PH.D.

Assistant Professor
Large-scale optimization for supply chain, logistics, and radiation therapy, machine learning to optimize

WAYNE GIANG, PH.D.

Assistant Professor
Design of decision support tools and technology training for human and health systems

HONGCHENG LIU, PH.D.

Associate Professor
Data-driven modeling, optimization and high-dimensional learning in health and transportation systems

XIANG ZHONG, PH.D.

Associate Professor
Stochastic modeling and control in healthcare and service systems

YONGPEI GUAN, PH.D.

Associate Chair for Research, George E. & Rolande G. Willis Endowed Professor
Stochastic and discrete optimization for energy and power systems

MOSTAFA REISI GAHROOEI, PH.D.

Assistant Professor
Systems modeling based on high-dimensional and heterogeneous data for quality control