

Kaveh Sheikhrzaei, Ph.D.

Department of Industrial, Manufacturing & Systems Engineering
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EDUCATIONAL BACKGROUND

Doctor of Philosophy, Engineering Science
(Concentration in Industrial Engineering)
Louisiana State University, Baton Rouge, LA
Advisor: Professor Craig Harvey (Purdue University)

Master of Science, Industrial Engineering
Louisiana State University, Baton Rouge, LA

Bachelor of Science, Industrial Engineering
Azad University of Tehran, Tehran, Iran

ACADEMIC EXPERIENCE

Assistant Professor of Practice and Undergraduate Program Director
Department of Industrial, Manufacturing and Systems Engineering
Texas Tech University, Lubbock, TX
Jan 2026 – Current

Lecturer and Undergraduate Program Director
Department of Industrial, Manufacturing and Systems Engineering
Texas Tech University, Lubbock, TX
July 2023 – Dec 2025

Lecturer
Department of Industrial & Systems Engineering and Engineering Management
University of Alabama in Huntsville, Huntsville, AL
Aug 2021 – May 2023

Postdoctoral Researcher
Department of Industrial Engineering
Louisiana State University, Baton Rouge, LA
Jan 2020 – July 2021

Research Assistant
Department of Industrial Engineering
Louisiana State University, Baton Rouge, LA
Aug 2017 – Dec 2019

Teaching Assistant
Department of Industrial Engineering
Louisiana State University, Baton Rouge, LA
Jan 2015 – July 2017

INDUSTRY EXPERIENCE

Supply Chain Analyst

SAIPA Group – Automotive Manufacturing, Tehran, Iran

Aug 2012 – Aug 2014

Quality Engineer

Rock Wool Co., Tehran, Iran

Feb 2009 – Jul 2012

Teaching

Texas Tech University (Online)

IE 2324 - Engineering Economic Analysis (Summer 2023, Spring 2024, Fall 2024, Spring 2025, Spring 2026)

IE 5346 - Total Quality Systems (Summer 2023, Summer 2024, Summer 2025)

IE 3329 - Fundamentals of Project Management (Fall 2023)

IE 3328 - Manufacturing Systems Control (Spring 2024, Spring 2025)

IE 5331- Supply Chain /Production Planning (Spring 2024, Spring 2025, Spring 2026)

IE 4322- Financial Systems for Engineers (Summer 2025)

IE 5322- Advanced Financial Systems for Engineers (Summer 2025)

IE 5318 - Principles of Operations Research (Fall 2025)

HCAI 3302- Practical Statistics in Human-Centered AI (Fall 2025)

HCAI 3303- Foundations of Human-Centered AI Design (Fall 2025)

HCAI 4303- Methodologies for Human-Centered AI Design (Spring 2026)

Texas Tech University (In-Person)

IE 5318 - Principles of Operations Research (Fall 2025)

IE 3329 - Fundamentals of Project Management (Fall 2023, Fall 2024, Fall 2025)

IE 3346 - Quality Assurance and Engineering Statistics (Fall 2023, Fall 2024)

IE 2311 - Computing for Industrial Engineers (Fall 2023, Fall 2024, Fall 2025)

IE 2324 - Engineering Economic Analysis (Spring 2024, Summer 2025)

IE 2401 - Work Design for Production Operations (Spring 2024, Spring 2025, Spring 2026)

ENGR 1340 - Introduction to Engineering Design (Fall 2025)

IE 3328 - Manufacturing Systems Control (Spring 2024, Spring 2025, Spring 2026)

IE 5331- Supply Chain /Production Planning (Spring 2024, Spring 2025, Spring 2026)

Kaveh Sheikhrzaei, Ph.D.

University of Alabama in Huntsville (Online)

ISE 390 - Prob & Engr Statistics I (Summer 2022, Spring 2023)

ISE 423 - Statistical Quality Control (Spring 2023)

ISE 523 - Statistical Quality Control (Spring 2023)

ISE 734 - Decision Analysis (Spring 2022)

ISE 321 - Engineering Economy (Fall 2021, Spring 2022, Summer 2022, Fall 2022, Spring 2023)

University of Alabama in Huntsville (In-Person)

ISE 340 - Operations Research (Fall 2021, Fall 2022)

ISE 390 - Prob & Engr Statistics I (Summer 2022, Spring 2023)

ISE 423 - Statistical Quality Control (Spring 2023)

ISE 523 - Statistical Quality Control (Spring 2023)

ISE 321 - Engineering Economy (Fall 2021, Spring 2022, Fall 2022, Spring 2023)

SKILLS & INTERESTS

- **Technical & Analytical Tools:**
Microsoft Office Suite, SPSS, SAS, Python, TORA, MATLAB, SQL, JMP, Minitab
- **Supply Chain & Operations Expertise:**
Statistical Analysis, Engineering Economics, Supply Chain Planning, Inventory Management, Quality Assurance, Project Management, Design and Analysis of Experiments, Process Improvement, Lean Systems
- **Certifications:**
Lean Six Sigma Black Belt (C.S.S.C.), IBM SPSS Masterclass (Udemy), OSHA General Industry Safety and Health
- **Languages:**
English (fluent), Farsi (native), Arabic (intermediate), German (beginner)

Professional society membership

- Association for Supply Chain Management (ASCM)
- Institute of Industrial and Systems Engineers (IISE)

Awards

- Sheikhrzaei (2025). ASEE Annual Conference in Montreal, Quebec, Canada \$3,000.
- Sheikhrzaei (2024). Teaching Mentoring Through Peer Observation (TeMPO), TTU Teaching, Learning, & Professional Development Center, \$500.
- Sheikhrzaei (2023). AMPLIFY project, The University of Texas At El Paso, Supported by the National Science Foundation awards 1953560 and 1953586, \$3,000.
- Sheikhrzaei (2023). Institute for Faculty Excellence Award, TTU Teaching, Learning, & Professional Development Center, \$1,500.
- Sheikhrzaei (2023). AMPLIFY Travel award to attend the NETI-1 (National Effective Teaching Institute): Course Design and Student Engagement workshop in San Diego, CA, from January 3-5, 2024, \$3,250.

Research Publication

Refereed Book Chapters

- **Sheikhrezaei, K.**, and Harvey, C. (2019) Relating the Learning Styles, Dependency, and Working Memory Capacity to Performance Effectiveness in Collaborative Problem Solving. In: Boring R. (eds) *Advances in Human Error, Reliability, Resilience, and Performance*. AHFE 2019. *Advances in Intelligent Systems and Computing*, vol 956. Springer, Cham.

Refereed Proceedings

- **Sheikhrezaei, K.** and Harvey, C. M. (2019). Relating the learning styles, dependency, and working memory capacity to performance effectiveness in collaborative problem solving, 10th International Conference on Applied Human Factors and Ergonomics, July 24-28, 2019.

Conference Papers (Abstract submitted)

- **Sheikhrezaei, K.**, Thomas, LD, Gholston, S (2022). Research in Human-Computer Interaction as Problem- Solving, the International Conference on Industry, Engineering, and Management Systems in 2022, March 13-15, 2022. Clearwater, Florida
- Tenney, C, **Sheikhrezaei, K.**, Loyd, N (2022). Application of Lean Six Sigma Methodology to the Industrial & Systems and Engineering Management Graduate Admissions Process, IISE Annual Conference & Expo 2022, May 21-24, 2022. Seattle, Washington

Professional activity

- **Faculty Advisor**, IISE Regional Student Conference – Texas Tech University (2024)
Supported student-led planning of the IISE South-Central Regional Conference, coordinated sponsor engagement, and represented TTU in monthly regional faculty meetings.
- **Oral Presenter**, IISE Annual Conference & Expo 2022 – Seattle, WA
"Application of Lean Six Sigma Methodology to the Industrial & Systems Engineering Graduate Admissions Process"
- **Oral Presenter**, International Conference on Industry, Engineering, and Management Systems (IEMS) 2022 – Clearwater, FL
"Research in Human-Computer Interaction as Problem-Solving"
- **Co-Chair**, 10th International Conference on Applied Human Factors and Ergonomics (AHFE) – Washington, D.C., July 2019
Oversaw session planning and speaker coordination for Human Performance and Decision Systems track.
- **Oral Presenter**, AHFE 2019 – Washington, D.C.
"Relating Human Characteristics and Task Complexity to Performance Effectiveness in Collaborative Problem Solving"
- **Oral Presenter**, IISE Annual Conference and Expo 2019 – Orlando, FL
Presented findings on team dynamics, learning styles, and system performance metrics.
- **Oral Presenter**, 22nd Annual Applied Ergonomics Conference – New Orleans, LA, March 2019