

## ***Kaveh Sheikhrezaei, Ph.D.***

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Department of Industrial, Manufacturing & Systems Engineering  
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(806) 834-4749

### **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*

### **PROFESSIONAL EMPLOYMENT HISTORY**

**Lecturer and Undergraduate Program Coordinator**  
Department of Industrial, Manufacturing and Systems Engineering  
*Texas Tech University, Lubbock, TX*  
July 2023 – Current

**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)

**UX Researcher**  
*Rock Wool Co., Tehran, Iran*  
(Aug 2012 – Aug 2014)

**Quality Engineer**  
*Rock Wool Co., Tehran, Iran*  
(Feb 2009 – Jul 2012)

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### **Teaching**

#### ***Texas Tech University (Online)***

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

*IE 5346 - Total Quality Systems (Summer 2023)*

*IE 3329 - Fundamentals of Project Management (Fall 2023)*

*IE 3328 - Manufacturing Systems Control (Spring 2024)*

*IE 5331- Production Systems Design & Operation (Spring 2024)*

#### ***Texas Tech University (In-Person)***

*IE 2324 - Engineering Economic Analysis (Spring 2024)*

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

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

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

*IE 2401 - Work Design for Production Operations (Spring 2024)*

*IE 3328 - Manufacturing Systems Control (Spring 2024)*

*IE 5331- Production Systems Design & Operation (Spring 2024)*

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#### ***University of Alabama in Huntsville (Online)***

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

*ISE 734 - Decision Analysis (Spring 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)*

#### ***University of Alabama in Huntsville (In-Person)***

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

*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)*

### **SKILLS & INTERESTS**

- **Computer Skills:** Microsoft Office, SPSS, SAS, Python, TORA, MATLAB, SQL, JMP, Minitab
- **Areas of expertise:** Statistical Analysis, Strong mathematical aptitude, Design and analysis of Experiments, Engineering Management, Quantitative and Qualitative Research Techniques
- **Certifications:** Lean Six Sigma Black Belt (C.S.S.C), IBM SPSS Masterclass (Udemy), General Industry Safety and Health (OSHA), Control Project Management (UT)
- **Language Skills:** English (fluent), Farsi (native), German (beginner), Arabic (intermediate)

## **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 society membership**

- Human Factors and Ergonomics Society (HFES)
- Institute of Industrial and Systems Engineers (IISE)
- Applied Human Factors and Ergonomics (AHFE)

## **Awards**

- Sheikhrezaei (2023). AMPLIFY project, The University of Texas At El Paso, Supported by the National Science Foundation awards 1953560 and 1953586, \$3,000. (100%)
- Sheikhrezaei (2023). Institute for Faculty Excellence Award, TTU Teaching, Learning, & Professional Development Center, \$1,500. (100%)
- Sheikhrezaei (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. (100%)

## **Professional activity**

- Co-Chair, the 10th International Conference on Applied Human Factors and Ergonomics (AHFE2019). July 24-28, 2019, Washington D.C. USA
- Oral presentation, the 10th International Conference on Applied Human Factors and Ergonomics (AHFE 2019). July 24-28, 2019, Washington D.C. USA
- Oral presentation, IISE Annual Conference and Expo 2019, Orlando, FL, May 18-21, 2019
- Oral presentation, the 22nd Annual Applied Ergonomics Conference, New Orleans, LA, USA, March 25-28, 2019