SALEM NAEERI

209 Hal Muldrow Dr, Norman, Oklahoma, 73069.
Ph:(+1) 832-805-0985 |
naeeris72@yahoo.com

EDUCATION

Ph.D., Industrial & Systems Engineering **2020**
University of Oklahoma, USA
- Thesis: Multimodal Analysis of Pilots' Fatigue During a Multi-Phase Flight Mission

M.S., Engineering Management **2006**
Coventry University, United Kingdom
- Thesis: Implementation of Total Quality Management in Libyan Manufacturing Organizations

B.Tech, Aircraft Engineering **1994**
Civil Aviation and Meteorology Higher Institute, Libya

PROFESSIONAL EXPERIENCE

ADJUNCT PROFESSOR
Langston University, Oklahoma, USA *August 2024 – Present*

I teach courses on:
Introduction to Computer Information Processing
Introduction to Emerging Technology
Introduction to Information Systems & Security
Introduction to Management Science
Applied Management Science
Operation Research
Micro Business Applications
Business Decision Analysis
Quantitative Problem Solving
Business Plan Development & New Venture Finance
Entrepreneurship & New Venture
College Algebra,
Business Statistics
Data Analysis and Interpretation

ADJUNCT PROFESSOR
Midwestern University, Texas, USA *January 2024 – Present*

I Teach courses on:
Industrial Engineering
Engineering Innovation
Engineering Safety Technology
Production Planning and Control
Project Planning
Project Management

Energy Technology
Operations Management
Construction Technology

ADJUNCT PROFESSOR

The University of Texas Permian Basin, Texas, USA *January 2025 to Present*
I teach courses on Quantitative Decision Tools

POST-DOCTORAL RESEARCHER

University of Oklahoma, USA **2020-2022**
Developed non-text-based smart learning in multi-person VR using eye movements, brain activities, and haptic interactions.

- Implemented a thorough and systematic approach to classify various research methodologies that apply virtual reality-based educational resources.

GRADUATE RESEARCH ASSISTANT

University of Oklahoma, USA **2014-2020**

1. Analyzed the effect of expertise on the task performance of pilots in a simulated long-flight mission; this study included:

    - Investigating differences in eye movement characteristics between novice and experienced pilots during normal and adverse flight conditions (instrument failure scenarios).
    - Examining changes in fatigue levels among pilots with varying expertise during a multi-segment flight task (multiple takeoffs and landings).
    - Exploring the relationship between pilot fatigue (measured using traditional metrics like reaction time, false starts, and number of lapses) and eye movement attributes.

2. Predicting pilot fatigue using eye movement measures.

    - Experimented with expert and novice pilots involving a simulated long-haul flight scenario with multiple takeoff and landing tasks.
    - Developed a stepwise regression model where pilots' eye movement attributes predict their fatigue levels, with a high overall model accuracy of around 75%.

ASSISTANT LECTURER

Faculty of Civil Aviation and Meteorology, Libya **2009-2013**

Taught courses:

- Engineering Technology
- Engineering Math
- Applied Ergonomics
- Cognitive engineering

- Materials Science and Hardware, I and II
- Supply Chain Management
- Strategic Management
- Systems Engineering
- Statistical Analysis System Design
- Engineering Statistics I & II
- Safety Management
- Human Factors in Engineering

COURSES DEVELOPED AND TAUGHT (PROPOSED / EXPERTISE AREAS)

Management & Leadership

- Global Supply Chain Management & Logistics
- Quality Management Systems (QMS)
- Project & Innovation Management
- Organizational Leadership
- Safety Management Systems

Technology & Emerging Tools

- Application of Emerging Technology Tools (AI & Machine Learning)
- Augmented and Virtual Reality (AR/VR) Applications
- Simulation Technologies
- Blockchain Applications in Business & Engineering

Engineering & Future Systems

- Emerging Engineering Technologies
- Digital Transformation & Industry
- Renewable Energy Systems & Green Technologies

Data Analytics & Systems

- Data Analytics & Business Intelligence
- Supply Chains & Emerging Technologies
- Human-Centered Design & Human-Computer Interaction (HCI)

AWARDS & CERTIFICATES

- **Libyan-North American Scholarship Program** **2014-2020**
  Libyan Ministry of Higher Education and Scientific Research
- **The Libyan British Scholarship Program** **2004-2006**
  Libyan Ministry of Higher Education and Scientific Research
- **Public Management and Leadership** **2012**

London School of Economics, London, UK

- **Strategic Thinking: A Macro and Micro Perspective** **2012**
  London School of Economics, London, UK
- **Robberson Conference Presentation & Creative Exhibition Travel Grant** **2019**
  University of Oklahoma, USA

PUBLICATIONS

JOURNALS

1. Naeeri, S. M., Kang, Z., & Palma Fraga, R. (2022). Investigation of Pilots' Visual Entropy and Eye Fixations for Simulated Flights Consisted of Multiple Takeoffs and Landings. Journal of Aviation/Aerospace Education & Research, 31(2). Retrieved from https://commons.erau.edu/jaaer/vol31/iss2/2

2. Naeeri, S., Kang, Z., Mandal, S., Kim, K. Multimodal Analysis of Eye Movements and Fatigue in a Simulated Glass Cockpit Environment. Aerospace 2021, 8, 283. https://doi.org/10.3390/aerospace8100283

CONFERENCE

1. **Naeeri, S.**, Mandal, S. & Kang, Z (2019). Analyzing pilot fatigue for prolonged flight mission: Multimodal analysis approach using vigilance test and eye tracking. In Proceedings of the Human Factors and Ergonomics Society 63rd Annual Meeting, Oct. 28- Nov. 1, Seattle, WA.
2. **Naeeri,S.**, & Kang, Z. (2018). Exploring the relationship between pilot's performance and fatigue when interacting with cockpit interfaces. In Proceedings of the 2018 Institute of Industrial and Systems Engineers (IISE) Annual Conference (pp. 1-5), May 19-22, Orlando, FL.
3. **Naeeri, S.**, Mandal, S., & Kang, Z (2018). Exploring the effect of fatigue on pilot performance during single and multi-takeoffs and landing flight missions. In Proceedings of the 7th Annual World Conference of the Society for Industrial and Systems Engineering, Binghamton, NY, USA.
4. **Naeeri, S.**, & Kang, Z. (2017). Analysis of Pilot's Visual Scanning Characteristics under Normal and Extreme Flight Conditions. In Proceedings of the 6th Annual World Conference of the Society for Industrial and Systems Engineering, Herndon, VA.

SKILLS

Data Analytics

- Statistical modeling and analysis, Regression (linear and non-linear), Clustering, Hypothesis testing, ANOVA, MANOVA, Optimization, Visualization

Programming

- R, Python, SAS, SPSS, Minitab, AweSim, APIS IQ-Software (IQ: Integrated Quality), Arena

Specialty

- Eye Tracking (Tobii Studio, Tobii Pro Analysis), Mixed-Methods Study, Human Factors, Experimental Design and Analysis

PROFESSIONAL SERVICE

Memberships

Puget Sound Human Factors and Ergonomics Society (PSHFES), 2022 – Present
Institute of Industrial and Systems Engineers (IISE), 2022 – Present
Human Factors and Ergonomics Society (HFES), 2019 – Present
Human Factors and Ergonomics Society Europe Chapter (HFES EC), 2022 – Present

Journal and Conference Paper Reviewer

The International Journal of Aerospace Psychology, 2021 – Present
The Engineering Management Journal, 2022 – Present
The Researcher Academy, 2022 – Present
Annual Meeting of the Human Factors and Ergonomics Society, 2022 – Present
The HFES International Annual Meeting - Health Care, 2022 – Present
The Science Publishing Group - Industrial Engineering (IE), 2022 – Present

INSTRUCTIONAL TECHNOLOGY & DIGITAL PEDAGOGY TRAINING

1. **Quality Matters: Applying the QM Rubric (APPQMR)**
   Completed certified training on the application of the Quality Matters Rubric for quality assurance in online and blended course design.
2. **Quality Matters: Improving Your Online Course (IYOC)**
   Completed certified training in "Quality Matters: Improving Your Online Course (IYOC)," focused on enhancing the design and alignment of existing online courses using QM standards.
3. **21st Century Learning Design (21CLD) – Microsoft Learn**
   Earned a digital badge for completing extensive training on modern teaching strategies, inclusive pedagogy, and digital tools. Covered topics include:

- **Teaching & Learning with Microsoft Tools**
  - ✓ Assemble learners and staff with Microsoft Teams meetings
  - ✓ Create authentic assessments with Microsoft Forms
  - ✓ Explore the benefits of becoming a Microsoft Educator Trainer

- **Inclusive & Student-Centered Pedagogy**
  - ✓ Empower every student with an inclusive classroom
  - ✓ Transform learning with 21st century design
  - ✓ Embed 21st century skills with 21st century learning design

- **21CLD Framework: Skill Development Dimensions**

- ✓ ICT for Learning: Deepen educational experiences with digital tools
- ✓ Self-Regulation: Develop learner executive function and independent learning
- ✓ Skilled Communication: Improve communication skills across disciplines
- ✓ Collaboration: Practice effective collaborative learning strategies
- ✓ Real-World Problem Solving & Innovation: Innovate learning with authentic, applied challenges
- ✓ Knowledge Construction: Develop critical thinking and advanced content understanding

- **Cybersecurity Applications in Education**
  - ✓ Automation in Microsoft Sentinel
  - ✓ Threat detection using Microsoft Sentinel analytics

4. **Canvas LMS Training – Growing with Canvas**
   Completed the full self-paced LMS course for instructors. Modules included:

   - ✓ Planting, Sprouting, Nurturing, Flowering, and Harvesting
   - ✓ Focus on course setup, student engagement, assignments, and grading
   - ✓ Badge awarded upon completion

5. **Faculty D2L Brightspace Training**
   Completed six structured modules for proficiency in using the D2L Brightspace platform:

   - ✓ Navigation and Setup
   - ✓ Building Content
   - ✓ Assessments
   - ✓ Communication Tools
   - ✓ Virtual Classrooms (Zoom, Teams)
   - ✓ Gradebook Management

6. **Simple Syllabus Training**
   Completed official training on creating accessible, institution-standardized course syllabi using the Simple Syllabus system.

7. **Data Security & Privacy (Full Course)**
   Completed full compliance and awareness training on best practices in educational data protection and privacy management.

REFERENCES

- **Dr. Ziho Kang**
  Associate Professor, School of Industrial & Systems Engineering
  Email: zihokang@ou.edu

Dr. Raj Desai
Chair, McCoy School of Engineering, College of Science, Math & Engineering
A Member of the Texas Tech University System
Email: raj.desai@msutexas.edu
Phone: (940) 397-4460
3410 Taft Blvd., Wichita Falls, TX 76308

Dr. Ali Elmozughi
Professor, McCoy School of Engineering, College of Science, Mathematics & Engineering
Email: ali.elmozughi@tranter.com
Email: ali.elmozughi@msutexas.edu
Phone: (484) 633-0598

- **Dr. Randa Shehab**
  Professor, School of Industrial & Systems Engineering
  Associate Dean for Academic Affairs, Gallogly College of Engineering
  Nettie Vincent Boggs Professor, School of Industrial Systems Engineering
  Email: rlshehab@ou.edu

- **Dr. Theodore B. Trafalis**
  Professor, School of Industrial & Systems Engineering
  Email: ttrafalis@ou.edu
  Phone: (405) 325-3721