

# Brian Nichols Craig, PhD, PE, CPE

Professor, Department of Industrial and Systems Engineering  
University Scholar  
Lamar University  
College of Engineering  
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- The annual College ROI report by PayScale measures the return on tuition investment 20 years after graduation ranked Lamar University No. 3 in the US and 1<sup>st</sup> in the State of Texas (2022 – 2024)
  - Supported several new student organizations such as Robotic Cardinals which began hosting Vex competitions for middle and high schools as well as participating at Vex World, as well as Cardinal Additive Manufacturing, Cardinal Energy as well as our 25 College of Engineering student organizations
  - Increased the attendance of our summer camps (7-8 grade students and high school students) and added an additional camp for 6<sup>th</sup> grade students. All camps 100% cost free to parents.
  - Increased the attendance at Incoming Freshmen Engineering Bootcamp by 80%.
  - Increased company attending the college of engineering career fairs by 100%
  - The College of Engineering welcomed the Flowserve Education Resource Center (summer 2022)
  - Established the \$2.1M Emerson Advanced Technology Center (fall 2021). The first industry named space in Lamar University's College of Engineering.
  - Served as the College of Engineering representative (emphasizing student centric spaces, including a 1,500 square foot student lounge, and building layout to enhance student access to department chairs and academic advisors) to the Cherry Engineering Building and Engineering Annex renovation projects scheduled to begin late fall 2024
  - Navigated the College of Engineering through a historic flood, two major hurricanes (making landfall just east of Beaumont), a global pandemic, two university presidents and four provosts (2019 – 2024)
- x The Department of Industrial Engineering (September 2010 – June 2019)
- Established the Maritime Safety Research Initiative (MSRI), Department of Industrial Engineering, Lamar University, Beaumont, Texas, August 2008 – Present (total funding > \$1.4M), Director: B. Craig
  - Proposed Lamar University/Emerson – Center of Excellence in Operational Certainty (2020 renamed Emerson, Advanced Technology Center), resulting in a \$200,000 cash gift thus far (2017 – 2019)
  - Led the BSIE program ABET re-accreditation, resulting in no shortcomings in 2012 and 2018.
  - Developed and began offering the first Bachelor of Science in Industrial Engineering (BSIE) 2+2 online degree program option in the US in 2014 and graduated our first students in 2016. The BSIE online option was ranked #1 in 2019 for “2019 Best Online Colleges Offering Bachelor's in Engineering Degrees” in the US by the SR Education Group, the BSIE online option was noted as a *strength* during the 2018 ABET re-accreditation visit and ranked #9 for most affordable online engineering degree bachelors programs by the Bachelor's Degree Center for 2020.
  - Introduced a new Masters of Engineering Management (MEM) online option in 2014
  - Full time IE faculty has grown from 6 to peak of 13; 11 in 2019
  - Continued to provide a growing 100% online Bachelor of Science in Industrial Technology (BSIT) degree

- Industrial Engineering Department student enrollment has increased from ~330 in 2012 to ~500 (2015) and remains over 350 (2019) despite an extremely challenging graduate student decline.
- For the first time in 18 years, Lamar University, Department of Industrial Engineering hosted the Institute of Industrial and Systems Engineering Student Regional (South Central Region) Conference, February – March 2019.

## Work Experience

- x Owner, Harmonic Work Science, Safety, Human Factors and Ergonomic Consulting, Beaumont, Texas, August 2001 – Present
  - o Human Factors, Ergonomics and Safety Engineering Expert Witnessing (~40 cases) (2006 – present)
  - o *Literature Review – Benefits of Sit-Stand Workstations*, Altec Industries, Inc., Birmingham, Alabama (2016)
  - o *Safety Assessment*, Southern Avionics, Beaumont, Texas (2013 – 2014)
  - o *Office and Control Room Ergonomic Assessment*, Veolia Environmental Services, Port Arthur, Texas (2012 – 2013)
  - o *Ergonomic Assessment*, American Valve and Hydrant, Beaumont, Texas (2012)
  - o Development Maintenance and Materials Handling sections of *Ergonomics Guide*, American Bureau of Shipping, Houston, Texas (2011 – 2012)
  - o Review of *Guidance Notes of Human Factors Engineering into the Design of Offshore Installations*, American Bureau of Shipping, Houston, Texas (2011)
  - o Development of *Human Factors and Ergonomics Toolbox Talks*, American Bureau of Shipping, Houston, Texas (2010)
  - o Review of *Human Factors, Ergonomics and Bridge Resource Management Activities of Various Class Societies*, American Bureau of Shipping, Houston, Texas (2009 – 2010)
  - o Technical Editor of *Introduction to Human Error Two-Day Training Course*, ABS Academy, American Bureau of Shipping, Houston, Texas (2009)
  - o Development of the *Ambient and Environmental Guidance Note*, American Bureau of Shipping, Houston, Texas (2008 – 2010)
  - o Development of the *Human Factors Engineering Toolkit*, American Bureau of Shipping, Houston, Texas (2008 – 2010)
  - o Development of the *Crew Habitability One-Day Training Course*, ABS Academy, American Bureau of Shipping, Houston, Texas (2008)
  - o *Office Ergonomics Evaluation*, Nalco, Beaumont, Texas (2007)
  - o *Human Performance in Inspection*, American Bureau of Shipping, Houston, Texas (2006 – 2007)
  - o *Forward Functional Reach*, Altec Industries, Inc., Birmingham, Alabama (2007)
  - o *Analysis of Incident Investigation and Root Cause Software*, American Bureau of Shipping, Houston, Texas (2007)
  - o *Human System Integration (HSI) Checklist for Military Vessels*, American Bureau of Shipping, Houston, Texas (2006 – 2007)
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- *Controller Dynamics*, Altec Industries, Inc., Birmingham, Alabama (2004 – 2005)
- *Laboratory Ergonomic Evaluation*, Intercontinental Terminals Company, Deer Park, Texas (2004)
- *Effect of Fatigue on Human Error and Task Performance on Navigational Bridges*, American Bureau of Shipping, Houston, Texas (2002 – 2003)
- *Implementation of TQM during Location Transition of a Synthetic Rubber Manufacturer*, Ameripol Synpol, Beaumont, Texas (2002)
- *Recommended Lifting Guideline with Respect to an International Population*, American Bureau of Shipping, Houston, Texas (2002)
- *Analysis of the Tempur-Pedic Foam in Office Seating*, Tempur-Pedic, Inc., Birmingham, Michigan (2002)
- *Validation of Ergonomic Criteria contained in the ABS Guidance Notes for the Application of Ergonomics to Marine Systems*, American Bureau of Shipping, Houston, Texas (2001 – 2002)
- *Employee Utilization Guidelines in a Coking Operation at ExxonMobil Refining and Supply*, Beaumont, Texas (2001)
- x Potroom Supervisor/Vacation Relief Shift Coordinator/Ergonomics Committee Leader, Tennessee Operations, Alcoa Inc., Alcoa, Tennessee, August 1998 – January 2001
- x Ergonomics and Safety Specialist, Primary Metals Division, Alcoa Inc., Knoxville, Tennessee, September 1997 – August 1998
- x Ergonomic Consultant, Compaq Computer Corporation, Corporate Safety and Health, Houston, Texas, June 1997 – August 1997
- x Wellness Program Instructor, Ergonomics and Physical Stressors, United States Department of Agriculture, Food Safety and Inspection Service, College Station, Texas, March 1997 – August 1997
- x Ergonomic Internship, Compaq Computer Corporation, Corporate Safety and Health, Houston, Texas, December 1996 – May 1997
- x Ergonomic Consultant, Pathway Industries, Bryan, Texas, August 1996 – August 1997
- x Ergonomic Consultant, Browning Ferris Industries, Houston, Texas, August 1996 – December 1996
- x Ergonomic Research Associate, Texas A&M University, National Science Foundation Industry/University Cooperative Research Center in Ergonomics, College Station, Texas, November 1995 – August 1997
- x Industrial Engineering Internship, United Parcel Service, Corporate Industrial Engineering, Atlanta, Georgia, November 1994 – October 1995
- x Ergonomic Consultant, Pathway Industries, Bryan, Texas, October 1992 – October 1994
- x Ergonomic Consultant, Capital Anesthesiology Association, Austin, Texas, September 1993 – November 1993

## Education/Training

### Education

- x PhD, Interdisciplinary Engineering, Texas A&M University, College Station, TX, 2000  
Major Field: Human Factors Engineering, Ergonomics, and Safety Engineering  
Minor Field: Statistics. Dissertation: *The Relationship of Occupational, Non-Occupational, Personal, and Psychosocial Risk Factors with Occupational Injury in Manual Materials Handling Jobs: A Prospective Field Study*. Committee Chair: Jerome J. Congleton, PhD, PE, CPE
- x MS, Industrial Engineering, Texas A&M University, College Station, TX, 1995  
Major Field: Human Factors Engineering, Ergonomics, and Safety Engineering  
Minor Fields: Physiology and Engineering Management. Thesis: *Correlation of Injury Occurrence Data with Estimated Maximal Aerobic Capacity and Body Composition in a High-Frequency Manual Materials Handling Task*. Committee Chair: Jerome J. Congleton, PhD, PE, CPE
- x BS, Industrial Engineering, Texas A&M University, College Station, TX, 1992
- x BS, Bioengineering, Texas A&M University, College Station, TX, 1990

### Training

- x Ethics Professional Development (1 hour), Texas Board of Professional Engineers and Land Surveys, Beaumont, TX (online), December 2023
- x Ethics Professional Development (1 hour), Texas Board of Professional Engineers and Land Surveys, Beaumont, TX (online), December 2022
- x Ethics Professional Development (1 hour), Texas Board of Professional Engineers and Land Surveys, Beaumont, TX (online), December 2021
- x Midstream Engineering Three-day Course (24 hours), GPA Midstream Association, Lamar University, Beaumont, Texas, November 2020
- x Ethics Professional Development (1 hour), Texas Board of Professional Engineers and Land Surveys, Beaumont, TX (online), August 2020
- x 2020 Hurricane Season in a Pandemic, Center for Advances in Port Management, Lamar University, Beaumont, Texas, June 2020
- x Port Emergency Response Planning Workshop, Center for Advances in Port Management, Lamar University, Beaumont, Texas, April 2018
- x Second Annual Symposium – Resilient Port and Transportation Infrastructure in 2020, Center for Advances in Port Management, Lamar University, Beaumont, Texas, April 2018
- x Port and Marine Terminal Physical Security: Key Issues and Trends, Including Regulation, Technology, and Workforce Development, Center for Advances in Port Management, Lamar University, Beaumont, Texas, March 2018
- x Risk Analysis Workshop, Center for Advances in Port Management, Lamar University, Beaumont, Texas, February 2018
- x Planning for the Next Disaster, Center for Advances in Port Management, Lamar University, Beaumont, Texas, December 2017

- x INFORMS Academic Leadership Workshop, October 2017
- x PEV Pre-visit Preparation Proficiency Assessment, ABET, October 2017
- x Training for Accreditation Visits Outside the United States, ABET, October 2017
- x TBPE-Professional Engineering Practice Update/Ethics, Texas Board of Professional Engineers, Webinar, December 2016
- x *Dredging your Docks 2015*, Beaumont, TX, December 2015
- x Completed *Brownwater University*, Houston, TX, September 2015
- x PEV Pre-visit Preparation Proficiency Assessment, ABET, September 2015
- x The National Society of Professional Engineers Code of Ethics, Received at the Southeast Texas International Society for Automation Expo, Beaumont, TX, October 2014
- x PEV Pre-visit Preparation Proficiency Assessment, ABET, October 2013
- x The National Society of Professional Engineers Code of Ethics, College of Engineering, Lamar University, Beaumont, Texas, May 2013
- x Disability Compliance Training, Center for Teaching and Learning Enhancement, Lamar University, Beaumont, Texas, April 2013
- x The National Society of Professional Engineers Code of Ethics, Department of Continuing Education, Lamar University, Beaumont, Texas, May 2012
- x Program Evaluator JIT Checks for Understanding, Accreditation Board of Engineering and Technology (ABET), October 2011
- x The National Society of Professional Engineers Code of Ethics, Department of Continuing Education, Lamar University, Beaumont, TX, October 2011
- x Program Evaluator Refresher Training, Accreditation Board of Engineering and Technology (ABET), May 2011
- x The National Society of Professional Engineers Code of Ethics, Department of Continuing Education, Lamar University, Beaumont, Texas, October 2010
- x Program Evaluator Training – Program Observer, Accreditation Board of Engineering and Technology (ABET), Tempe, Arizona, November 2009
- x Program Evaluator Training, Accreditation Board of Engineering and Technology (ABET), Baltimore, Maryland, May 2009
- x The National Society of Professional Engineers Code of Ethics, Department of Continuing Education, Lamar University, Beaumont, Texas, March 2009
- x Engineering Ethics, Department of Continuing Education, Lamar University, Beaumont, Texas, June 2008
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- *An Analysis of Workers' Attitudes Toward Safety Culture in the Maritime Industry (2013 – 2016)*
- *An Analysis of Workers' Attitudes Towards Safety Culture in the Maritime Industry (2012 – 2016)*
- *Using Natural Language Generation to Document Portfolio Performance: An*



- x Introduction to Port Management (graduate; hybrid)
- x Special Topics: Advances in Safety Engineering (undergraduate; online)
- x Special Topics: Ergonomics Research (graduate; face-to-face)
- x Special Topics: Ergonomic Instrumentation (graduate; face-to-face)
- x Special Topics: Office and Industrial Ergonomics (graduate; face-to-face)
- x Special Topics: Maritime Ergonomics (graduate; face-to-face)
- x Special Topics: Semiconductor Ergonomics (graduate; face-to-face)
- x Special Topics: Probability of Detection in Visual Inspection (graduate; face-to-face)
- x Special Topics: Off-The-Job Injuries (undergraduate; face-to-face)
- x Undergraduate Honors Thesis (undergraduate)
- x Undergraduate McNair Thesis (undergraduate)

### Research Interests

Human factors, ergonomics, and safety engineering. Leading safety indicators, safety culture, injury/illness causation/reduction, close calls (near misses), maritime, offshore

### Grants/Contracts/Projects

- x Gulf Research Program, National Academies of Sciences, Engineering, and Medicine, Safer Offshore Energy Systems Grants 5: Evolution of Safety Management Systems, Washington, DC, *Using Safety Culture-related Assessment Results to Enhance the Effectiveness of Safety Management Systems*, K. McSweeney – Project Director (PI) with Key Personnel: J. Curry (PI), W., B. Craig and Zhu (UH). August 2023. Total Budget Received \$724,512. Lamar University's Budget \$257,068. With the American Bureau of Shipping (Lead Organization).
- x *ABS (Bureau) Safety Culture Survey*, American Bureau of Shipping, \$70,000, October 2022 – March 2023, B. Craig – Principal Investigator with Co-PI's: J. Curry, and W. Zhu
- x *A Railyard Management Optimization Software – Phase II: Iron Horse Terminal Application-Phase II*, Iron Horse Terminals, \$100,000, December 2020 – December 2021. M. Hamidi – Principal Investigator with Co-PI: B. Craig
- x *A Railyard Management Optimization Software – Phase I: Iron Horse Terminal Application-Phase I*, Iron Horse Terminals, \$52,111, Awarded January 2020 – December 2020. M. Hamidi – Principal Investigator with Co-PI: B. Craig
- x Gulf Research Program, National Academies of Sciences, Engineering, and Medicine, Safer Offshore Energy Systems Grants 4, Washington, DC, *Development of a Framework and Roadmap for an Effective Near-miss and Incident Reporting System*, B. Craig – Project Director (PI) with Key Personnel: K. McSweeney, J. Curry, W. Zhu, J. Pray, M. Hamidi, Y. Li and K. Das. Submitted April, 2019 for January 2020 – August 2022. Budget Requested \$1,908,670. Lamar University lead with the American Bureau of Shipping and University of Houston subawards. Not awarded, October 2019.
- x Gulf Research Program, National Academies of Sciences, Engineering, and Medicine, Safer Offshore Energy Systems Grants 4, Washington, DC, *Developing an Integrated Offshore Energy Industry Safety Culture Evaluation and*

*Improvement Toolbox*, K. McSweeney – Project Director (PI) with Key Personnel: S. Arendt, B. Craig, J. Curry, W. Zhu, and J. Pray. Submitted April, 2019 for January 2020 – August 2022. Total Budget Requested \$1,439,830. Lamar University's Budget \$324,061. With the American Bureau of Shipping (Lead Organization). Funded, January 2020.

- x Gulf Research Program, National Academies of Sciences, Engineering, and Medicine, Safer Offshore Energy Systems Grants 4, Washington, DC, Letter of Intent for *Integrated Approach for Offshore Energy HSE Performance Assurance*, S. Arendt – Project Director (PI) with Key Personnel: K. McSweeney, B. Craig, and M. Mower. Submitted April, 2019 for January 2020 – December 2020. Total Budget Requested \$651,904. Lamar University's Budget Request \$70,249. With the American Bureau of Shipping (Lead Organization). Not awarded, October 2019.
- x Proposal for Science and Technology Building Space Allocation, Lamar University, Beaumont, Texas, B. Craig – Principal Investigator with Co-PI's: X. Liu, and H. Zargarzadeh (Summer 2018 – Spring 2019). Not awarded.
- x *Offloading Ship Terminal: Containers on, Containers Off Platform Exploratory Animation*, feasibility study, B. Craig – Principal Investigator with Co-PI's: M. Hamidi, and X. Liu (Spring 2018 – Fall 2019)
- x American Bureau of Shipping/US Department of Transportation – Maritime Administration (MARAD)/Lamar University, *Near Miss/Injury Databases*, Houston, Texas/Washington DC, B. Craig – Principal Investigator with Co-PI's: J. Curry, and W. Zhu (Summer 2018 – Summer 2020). Included in the Mariner Safety Program.
- x *Safety Culture Assessment*, American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator with Co-PI's: J. Curry, and W. Zhu (Summer 2018 – Summer 2020). Included in the Safety Culture/Leading Indicators of Safety Project.
- x *American Bureau of Shipping/American Club/Lamar University Mariner Safety Initiative*, Houston, Texas/New York, New York,





- x *Development of an Ergonomics Checklist to be used to Evaluate Compliance with the American Bureau of Shipping Guidance Notes on the Application of Ergonomics to Marine Systems* – American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator (Summer 2002) \$9,500.
- x *Framework Preparation for the American Bureau of Shipping Guidance Notes on the Application of Ergonomics to Marine Systems Evaluator’s Checklist* – American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator (Spring 2002) \$2,500.
- x *The Back Index: A Proposal for the Collaboration between Lamar University and the National Science Foundation Industry/University Cooperative Research Center in Ergonomics at Texas A&M University* – National Science Foundation, B. Craig – Principal Investigator (Summer 2002 – Summer 2004) \$49,255.
- x *Comparison of the Existing ABS Guidance Notes on the Application of Ergonomics to Marine Systems Criteria with the American Bureau of Shipping Guide for Crew Habitability on Ships* – American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator (Fall 2001) \$1,305.
- x *Development of an Ergonomic Criteria Matrix for the American Bureau of Shipping Guidance Notes on the Application of Ergonomics to Marine Systems* – American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator (Fall 2001) \$1,895.
- x *A Proposal for the Collaboration Between Lamar University and the National Science Foundation Industry/University Cooperative Research Center in Ergonomics at Texas A&M University* – Research Enhancement Grants, Lamar University, B. Craig – Principal Investigator (Fall 2001) \$4,275
- x *Evaluation and Analysis of Buttock-Thigh Pressures Associated with Four Different Ergonomic Chair Models: A Field Study* – Neutral Posture, Inc., Bryan, Texas, B. Craig – Principal Investigator (Summer 2001) \$8,685
- x *Manual Materials Handling Field Studies* - National Science Foundation Industry/University Cooperative Research Center in Ergonomics at Texas A&M University, Investigative Team Leader (1996 – 2000) \$126,000
- x *NIOSH/Energy Expenditure Local Field Studies* - National Science Foundation Industry/University Cooperative Research Center in Ergonomics at Texas A&M University, Investigative Team Leader (1995 – 1996) \$102,000

## Publications and Presentations

### Peer Reviewed Journal Publications

- x Curry, J., Craig, B., Zhu, W., Yang, W., Chollangi, J., Gubbala, S., and Hossain, M., (2024). Using Large Language Models to Analyze Maritime Near Miss Data, *Transportation Research Record: Journal of the Transportation Research Board*, Submitted August 2024 for January 2025.
- x McSweeney, K., Curry, J., Curtis, R., Wari, E., Zhu, W., Craig, B., Hussain, M., Garcia, A., Idahosa, O., Zeni, E and Seshasaikrishna, G (2023). A Comprehensive Multi-Component Toolkit for Offshore Safety Culture Assessment, *Process Safety and Environmental Protection*, 175 (2023) 78-87.  
<https://doi.org/10.1016/j.psep.2023.05.030>

- x Li, G., Li, Y, Craig, B ., & Liu, X. (2022). Investigating the effect of contextual factors on driving: An experimental study. *Transportation Research Part F: Traffic Psychology and Behaviour*, 88, 69-80. <https://doi.org/10.1016/j.trf.2022.05.007>
- x Yi, G., Yi, Y., Li, Y., Craig, B. and Wu, X., Investigation of Contributing Factors to Traffic Crash Severity in Southeast Texas Using Multiple Correspondence Analysis, *Journal of Road Safety*, 32(4), 15-28 <https://doi.org/10.33492/JRS-D-21-00051>, November 2021.
- x Zohoori, S., Jafari, M., Hamidi, M. and Craig, B . A Vectorized Algorithm for Waterway Traffic Analysis Using AIS Data. *Journal of Ocean Technology*. Vol. 16, No. 4, 2021.
- x Abbasi, E., Li, Y., Wu, X., and Craig, B. Using Classification and Regression Trees (CART) to Identify Factors Contributing to Vehicle Crash Severity in a Port City, *International Journal of Transportation Systems*, 6, 29-38, November 2021.
- x Li, G., Li, Y., Li, Y., Craig, B ., & Wu, X. (2021). Investigation of contributing factors to traffic crash severity in Southeast Texas using multiple correspondence analysis. *Journal of Road Safety*, 32(4), 15–28.

- x Craig, B., Near Miss Reporting: Challenges and Obstacles to a Robust Near Miss Reporting System. *Marine Technology*, The Society of Naval Architects and Marine Engineers (SNAME), Jersey City, New Jersey, April 2012
- x Furtado, A., Craig, B., Chard, J., Zaloom, V., and Chu, H. Cooling Suits, Physiological Response, and Task Performance in Hot Environments for the Power Industry. *International Journal of Occupational Safety and Ergonomics*, 13(3), 2007
- x Craig, B., Congleton, J. J., Kerk, C. J., Amendola, A. A., and Gaines, W. G., Personal and Non-occupational Risk Factors with Occupational Injury/Illness. *American Journal of Industrial Medicine*, 49(4), April 2006
- x Craig, B., Congleton, J. J., Kerk, C. J., Amendola, A. A., Gaines, W. G., and Jenkins, O. C., A Prospective Field Study of the Relationship of Potential Occupational Risk Factors with Occupational Injury/Illness. *AIHA Journal*, May/June 2003
- x McSweeney, K., Craig, B., Congleton, J., and Miller, D., Ergonomic Program Effectiveness: Ergonomic and Medical Intervention, *International Journal of Occupational Safety and Ergonomics*, 8(4), 2002
- x Bales, D. W., Craig, B., Congleton, J. J., Kerk, C. J., Amendola, A. A., Gaines, W. G., and Jenkins, O. C., The Influence of Supporting the Oxylog Instrument on Estimated Maximal Aerobic Capacity During a Step Test and Heart Rate in a Lifting Test, *Applied Ergonomics*, 32/4, August 2001, pp 367-377
- x McSweeney, K. P., Congleton, J. J., Kerk, C. J., Jenkins, O. E., and Craig, B., Correlation of Recorded Injury and Illness Data with Smoking, and Absolute Aerobic Capacity. *International Journal of Industrial Ergonomics*, 24(2), May 1999
- x Craig, B., Congleton, J. J., Kerk, C. J., Lawler, J. M., and M]TJ / ( Oxylog Instrument on )Tj -17.6011 -

*of a 2+2 Online BS Industrial Engineering Degree Pathway* Paper presented at  
2021 ASEE Virtual Annual Conference Content Access, Virtual Conference.  
<https://peer.asee.org/37678>



- x Mahesh, V., Li, Y., and Craig, B. (2017). Effect of walking, running and gradients on muscle pump and edema. In *Proceedings of International Conference on Applied Human Factors and Ergonomics*, 335-342.
- x Mahesh, V., Li, Y., & Craig, B. (2017). Effect of flooring on lower extremity discomfort during food service tray-line jobs. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 950-954.
- x Akurke, S., Li, Y., & Craig, B. (2017). Effect of smart phone use on upper extremity and neck. In *Proceedings of International Conference on Applied Human Factors and Ergonomics*, 241-249.
- x Zhu, W., Craig, B., Chu, H., Curry, J., and Zhou, J., Industrial and Mechanical Engineering Scholars with Scholarships, Career Mentoring, Outreach and Advisement, Professional Societies and Engineering Learning Community (SCOPE) S-STEM Program, *Proceedings of the 2017 American Society of Engineering Education 124<sup>th</sup> Annual Conference and Exposition*, Columbus, OH, June 2017
- x Shi, Y., Xiang, Y., and Craig, B., Condition-based maintenance for deteriorating transportation infrastructures, *Proceedings of the 2017 Institute of Industrial and Systems Engineering Annual Conference*. May 2017
- x Safa, M. and Craig, B. , Maritime and Port Activity Analysis Tool. *Advances in Human Aspects of Transportation (Proceedings of the 7<sup>th</sup> International Conference on Human Factors)*, Orlando, Florida, January 2017
- x Tomlinson, C., Craig, B., and McSweeney, K. The ABS Approach to Self-assessing Safety Culture in Maritime Organizations. *Proceedings of the Royal Institution of Naval Architects (RINA) International Conference on Human Factors in Ship Design and Operations*, London, England, September 2016
- x Ilori, A., Li, Y., Mahesh, V., and Craig, B. (2016). Effect of position: an ergonomics evaluation of police wearable equipment. In M. Soares, C. Falcao, T. Ahram, (Eds): *Advances in Ergonomics Modeling, Usability and Special Populations*, 199-207.
- x Curry, J., and Craig, B., Zhu, W., An Online 2+2 Bachelor's Degree Program Track in Industrial Engineering at Lamar University, *Proceedings of the 2016 American Society of Engineering Education 123<sup>rd</sup> Annual Conference and Exposition*, New Orleans, Louisiana, June 2016
- x Kulibaba, N., Xiang, Y., Curry, J., and Craig, B., Joint Condition-based Maintenance and Spare Parts Provisioning for a Two-echelon Network, *Proceedings of the 2016 Industrial Engineering Research Conference*, Anaheim, California, May 2016
- x Zhu, W., Jiang, G., and Craig, B., Online Simulation Course and "Arena Video Tutor" Mobile App Development, *Proceedings of the 2016 Industrial Engineering Research Conference*, Anaheim, California, May 2016
- x Craig, B., Curry, J., Zhu, W., McSweeney, K., and Papillon, R., Reporting Practices for Near Miss Reporting Systems, *Proceedings of the 2014 Offshore Jo-.0057 Tw[California, May )-5.5(2016 )]J/TT7 1 Tf-1.6OaI3 T15.306 0 P*





- x Shi, Y., Xiang, Y., and Craig, B., Condition-based maintenance for deteriorating transportation infrastructures, *The 2017 Institute of Industrial and Systems Engineering Annual Conference*, May 2017
- x Tomlinson, C., Craig, B., and McSweeney, K., The ABS Approach to Self-assessing Safety Culture in Maritime Organisations *Royal Institution of Naval Architects (RINA) International Conference on Human Factors in Ship Design and Operations*, London, England, September 2016
- x Illori, A., Li, Y., Mahesh, V., and Craig, B. , Effect of Position: An Ergonomics Evaluation of Police Wearable Equipment. *7th International Conference on Applied Human Factors and Ergonomics*, Orlando, Florida, July 2016
- x Safa, M. and Craig, B. , Maritime and Port Activity Analysis Tool. *7th International Conference on Applied Human Factors and Ergonomics*, Orlando, Florida, July 2016.
- x Chodapaneedi, T., Illori, A., Sibbadi, B., Allam, V., Gandi, R., Li, Y., Craig, B., Order Input Interface for People with Speech and Hearing Impairment at a Drive Thru (Presentation), *Human Factors and Ergonomics Society – Houston Chapter*, Clear Lake, Texas, June 2016
- x Vanukura, R., Kandakatla, J., Konidhina, M., Satti, S., Penumatsa, S., Li, Y., Craig, B., Resume Search with Multiple Key-Words of Job Requirement (Poster), *Human Factors and Ergonomics Society – Houston Chapter*, Clear Lake, Texas, June 2016
- x Mahesh, V., Li, G., Li, Y., Craig, B. , Effect of Flooring on Lower Extremity

x Kulibaba, N., Xiang, Y., Curry, J., and

- x Craig, B., Furtado, A. L., Chard, J. T., Zaloom, V. A., and Chu, H., Effect of Cooling Suits on Task Performance in Hot Environments for the Power Industry. *Institute of Industrial Engineers Annual Conference*, Nashville, Tennessee, May 2007
- x Craig, B., Occupational Injury/Illness Risk Factor Data in the Manual Materials Handling Industry, *Human Factors and Ergonomics Conference, Houston Chapter*, Houston, Texas, May 2005
- x Amendola, A. and Craig, B., A Holistic View of Potential Risk Factors for Workers, *Steps to a Healthier US Workforce 2004: Integrating Protection and Promotion*, National Institute for Occupational Safety and Health, Poster Session, Washington, DC, October 2004
- x Craig, B., *Relationship of Potential Personal, Non-Occupational, Occupational, and Psychosocial Risk Factors with Occupational Injury*, Musculoskeletal and Neurovascular Disorders – The State of the Research Regarding Workplace Etiology and Prevention Symposium, National Advisory Committee on Ergonomics (NACE), Occupational Safety and Health Administration (OSHA), Invited Presenter, United States Department of Labor, Washington, DC, January 2004
- x McSweeney, K., Craig, B., Congleton, J., and Miller, D., Ergonomic Program Effectiveness for Office and Laboratory Workers, *47<sup>th</sup> Annual Human Factors and Ergonomics Conference, Human Factors and Ergonomics Society*, Denver, Colorado, October 2003
- x Congleton, J., Craig, B., Benden, M., and Parker, M., Current and Future Office Ergonomic Trends, *47<sup>th</sup> Annual Human Factors and Ergonomics Conference, Human Factors and Ergonomics Society*, Poster Session, Denver, Colorado, October 2003
- x Craig, B., Transportation Methods of Laptop Computers and Peripheral Equipment, *Industrial Engineering Research Conference, Institute of Industrial Engineers Annual Conference*, (NOTE: due to the State of Texas's Budget deficit, I was not able to travel to Portland, Oregon), May 2003
- x Dede, K., White, K., and Craig, B., Performing Equipment Review in the Field Rather Than At the Factory, *Applied Ergonomics Conference, Institute of Industrial Engineers*, Orlando, Florida, March 2003
- x Craig, B., Fillyaw, J., and Joubert, B., A Field Study of Buttock-Thigh Pressures of Five Ergonomic Office Chairs, *Industrial Engineering Research Conference, Institute of Industrial Engineers Annual Conference*, Dallas, Texas, May 2002

1 s t A n n

x R a o

x P a u

P r e x s e n t a t

x A m e r i

x C r a i g ,

x A m e r i

Session in 1st Annual Graduate Research Celebration, Lamar University,  
Beaumont, TX.

- x Craig, B., and McSweeney, K., ABS/Lamar University Maritime Safety Research Initiative/Center, Human Factors Workshop, Invited Speaker, *Transportation Research Board 97<sup>th</sup> Annual Meeting*, Washington DC, January 2018
- x Craig, B. and McSweeney, K. ABS/Lamar University Maritime Safety Research Initiative. *Transportation Research Board's Ferry Transportation and Marine Safety*



- x Craig, B., Lamar College of Engineering & Opportunities for Partnership, *Golden Triangle Golden Roundtable*, Beaumont, TX, September 2021
- x Craig, B., Curry, J., and Zhu, W., American Club/ABS/Lamar University Maritime Safety Initiative Phase One Final Presentation. *American Club and ABS, Houston, TX*, June 2019
- x Craig, B., ABS' and Lamar University's Maritime Safety Research Initiative. *National Safety Council, Waterborne Transport Group*, Maritime Administration (MARAD) DOT Headquarters Washington DC, May 2019
- x Craig, B., ABS' and Lamar University's Maritime Safety Research Initiative. *2019 Research Vessel Operators Committee Meeting (RVOC)*, Scripps Seaside Forum Auditorium Scripps Institution of Oceanography, La Jolla, CA, April 2019
- x Craig, B., Curry, J., and Zhu, W., American Club/ABS/Lamar University Maritime Safety Initiative Update. *American Club and ABS, Houston, TX*, January 2019
- x Craig, B., Curry, J., and Zhu, W., American Club/ABS/Lamar University Maritime Safety Initiative Update. *American Club and ABS, Houston, TX*, August 2018
- x Craig, B., ABS/Lamar University Maritime Safety Research Initiative/Center. *Transportation Research Board, Marine Safety and Human Factors Committee (AW040)*, Washington DC, January 2018
- x Craig, B., ABS/Lamar University Maritime Safety Research Initiative/Center. *National Safety Council, Waterborne Transport Group*, Anaheim, CA, October 2016
- x Craig, B., Overview of the ABS Maritime Safety Research Initiative. *National Safety Council, Waterborne Transport Group*, Jacksonville, FL, April 2016
- x Craig, B., *Safety Data Performance Measurement for Continual Improvement*, Invited Moderator/Panelist, Ship Operators Cooperative Program (SOCP) Spring Summit, Dania Beach, FL, April 2016
- x Craig, B., Center of Advances in Port Management Update, Plant Mangers Forum, Nederland, TX, February 2016
- x Craig, B., Curry, J., and Zhu, W., *Combined Leading Indicators and Safety Culture Assessment Results to Date*, ABS, Houston, Texas, February 2016
- x Craig, B., *Port Management Initiative at Lamar University*, West Gulf Maritime Association, Sabine Area Meeting, Beaumont, Texas, October 2015
- x Craig, B., *Center for the Advances of Port Management*, National University of Singapore, Singapore, October 2015
- x McSweeney, B., and Craig, B., *Introduction to Safety Culture Assessment*, The Maritime and Port Authority of Singapore, Singapore, October 2015
- x Craig, B., and McSweeney, K., *Introduction to Safety Culture and Leading Indicator Assessment for <Industry Partner>*, Singapore, October 2015
- x McSweeney, B., and Craig, B., *Introduction to the Mariner Personal Safety Project for <Industry Partner>*, Singapore, October 2015
- x Craig, B., *ASTM Near Miss and Injury Reporting Best Practices Update*, Ship Operators Cooperative Program (SOCP) Safety and Health Working Group, Linthicum Heights, Maryland, October 2015
- x Craig, B., ABS Project on Safety Culture and Leading Indicators of Safety – Combined Safety Culture Dataset Results. *National Safety Council, Waterborne Transport Group*, Atlanta, Georgia, September 2015

- x Craig, B . and McSweeney, K., *ASTM Near Miss and Injury Reporting Standards Update*, Ship Operators Cooperative Program (SOCP) Safety and Health Working Group, WebEx Presentation, August 2015
- x Craig, B ., McSweeney, K., Curry, J., and Zhu, W., *Maritime Near Miss Reporting*, 2015 BSEE Domestic and International Standards Workshop, Houston, May 2015
- x McSweeney. K., Craig, B ., Curry, J., and Zhu, W., *Safety Culture and Leading Indicator Assessment for <Industry Partner>*, Singapore, December 2014
- x Craig, B ., *Eliminating Barriers to Data Sharing Forum*, Invited Panelist/Presenter, Ocean Energy Safety Institute (OESI), Houston, Texas, August 2014.
- x Craig, B ., *Safety Issues and Proposed Solutions*

- x McSweeney, K. and Craig, B., Mariner Personal Safety, *American Waterways Operators Inter-region Safety Committee Summer Meeting*, Invited Speaker, Houston, Texas, July 2011
  - x Craig, B., *Office Ergonomics: Common Problems; Practical Solutions*, Greenspoint Area Chapter (GAC) of the International Association of Administrative Professionals (IAAP), Invited Speaker, Houston, Texas, July 2011
  - x McSweeney, K. and Craig, B., Mariner Personal Safety, *American Waterways Operators Coastal Safety Committee Summer Meeting*, Invited Speaker, Las Vegas, Nevada, June 2011
  - x McSweeney, K. and Craig, B., Maritime Personnel Safety Project - Update. *National Safety Council, Waterborne Transport Group*, San Diego, California, October 2010
  - x McSweeney, K. and Craig, B., Maritime Personnel Safety Project. *National Safety Council, Waterborne Transport Group*, San Diego, California, October 2010
- x Craig, B.,

- Massena Operations' Ergonomics Committee, Three Day Training Course, January 1998
- x Craig, B., *Introduction to Ergonomics in Design*

x

- x Congleton, J., Craig, B., and McSweeney, K., *An Ergonomic Workstation Analysis of the Electronics Training Division at Texas A&M University*, College Station, Texas, 1993
- x Congleton, J., Al-Eisawi, K., Craig, B., Goodman, S., Key, W., McSweeney, K., Tso, C., and Sampanthan, S., *An Ergonomic Analysis of the Turbine Overhaul at the Dansby Power Plant (Turbine Disassembly)*, Bryan, Texas, 1993
- x Congleton, J., Arriola, D., Barnard, M., Craig, B., and Harris, M., *An Ergonomic Analysis of the Administration Building at the Texas Municipal Power Agency*, Carlos, Texas, 1992

#### Reviews/Conference Session Chairs

- x Craig, B., Reviewer on funding proposals for the Ocean Engineering Safety Institute (OESI) RFP 2 submissions for *W-2.4, Managing lifting and lowering operational risk to minimize events and injuries*, November 2024 (had to recuse myself due to a conflict of interest).
- x Craig, B., Review of a proposed peer-reviewed journal article, *Psychophysical Responses of Front Cradle Carry and Piggy Back Carry in Emergency Situations, International Journal of Occupational Safety and Ergonomics (JOSE)*, March, 2018
- x Craig, B., ASTM Draft Review of *Best Practice for Safety Culture in the Maritime Industry*, Ocean Energy Safety Institute (OESI), Houston, Texas, October 2016.
- x Craig, B., Session Chair for *the 4<sup>th</sup> Annual Texas STEM Conference (Session 2B)*, Lamar University, Beaumont, Texas, October 2016
- x Craig, B., Session Chair for *A Forum for Dialogue: Focusing on Alarm Management for Safer Offshore Operations, Session II: The Way Forward for Alarm Management*, Ocean Energy Safety Institute (OESI), Houston, Texas, August 2016
- x Craig, B., ASTM Draft Review of *Best Practice for Fatigue Mitigation, for Fatigue Prevention for Marine and Mariner Use*, July 2016.
- x Craig, B., Review of a proposed new textbook, *Ergonomics and Human Factors in Safety Management*, Eds. Arezes, P. and de Carvalho, P., CRC Press, September 2014
- x Craig, B., Review of a PhD Thesis, *Ergonomic Study of Manual Material Handling Tasks in Construction*, Indian Institute of Technology, Kharagpur, India, June 2013
- x Craig, B., Review of a proposed peer-reviewed journal article, *The Association of Aerobic Fitness with Injuries in the Fire Service, American Journal of Epidemiology*, April, 2013
- x Craig, B., Studies in Safety Session Chair, *2010 Industrial Engineering Research Conference*, June 2010
- x Craig, B., Review of a proposed peer-reviewed conference proceeding article, *A Comprehensive Assessment of Workload Exposure Variables, Proceedings of the 2010 Industrial Engineering Research Conference*, February 2010
- x Craig, B., Review of a proposed peer-reviewed conference proceeding article, *Modeling Human Performance in Chemical Protective Suits, Proceedings of the 2010 Industrial Engineering Research Conference*, February 2010

- x Craig, B., Review of a proposed peer-reviewed conference proceeding article, Bone Conduction Intelligibility: Headset Comparison Study, *Proceedings of the 2010 Industrial Engineering Research Conference*, February 2010
- x Craig, B., Review of a proposed peer-reviewed conference proceeding article, Fatigue Curves in Tomato Packers in Jalisco, Mexico, *Proceedings of the 2010 Industrial Engineering Research Conference*, February 2010
- x ANSI Canvass Reviewer for the Proposed New Draft of BIFMA X5.1-2010, Proposed American National Standard for Office Furniture, General Purpose Office Chairs – Tests, *The Business and Institutional Furniture Manufacturer's Association (BIFMA)*, January 2010
- x Craig, B., Second review of a proposed peer-reviewed journal article, Musculoskeletal Injuries Resulting from Patient Handling Tasks among Hospital Workers, *American Journal of Industrial Medicine*, February 2009
- x Craig, B., Review of a proposed peer-reviewed journal article, Musculoskeletal Injuries Resulting from Patient Handling Tasks among Hospital Workers, *American Journal of Industrial Medicine*, October 2008
- x Editorial Review Board member for the peer-reviewed journal *The Open Epidemiology Journal* (2008 – 2015)
- x Craig, B., Reviewer for Human Engineering and Ergonomic Risk Analysis Process (HEERAP), Department of Defense project through Concurrent Technologies Corporation (November 2007 – January 2008)
- x Editorial Review Board member for the peer-reviewed journal *Scientific Journals International* (2007 – 2012)
- x Craig, B., Review of a proposed peer-reviewed journal article, The Effects of Ergonomic Pacing Software on Employee Accuracy and Productivity in a Health Care Setting, *American Journal of Industrial Medicine*, August 2007
- x Craig, B., Review of a proposed peer-reviewed conference paper, Habitability: Setting Criteria Fit for Humans, *10th International Symposium on Practical Design of Ships & Other Floating Structures*, June 2007
- x Craig, B., Review of a proposed peer-reviewed journal article, Influence of walking up and down stairs on pedometer accuracy, *Medicine and Science in Sports and Exercise*, December 2006
- x Craig, B., Review of a proposed peer-reviewed journal article, Physical Fitness and Injuries in Police, *Medicine and Science in Sports and Exercise*, September 2006
- x Craig, B., Review of a proposed new textbook, *Office Ergonomics: A Recipe for Success*, CRC Press, January 2006
- x Craig, B., Technical Review of *Guide for Means of Access to Tanks and Holds for Inspection*, American Bureau of Shipping, November 2005
- x Craig, B., Technical Review of NIOSH Research Proposal, Dart Document Tracking Number: DHHS-CDC-NIOSH Request Number 2003-Q-00966 (Requisition Number: 03054T96), December 2003
- x Craig, B., Technical Review of NIOSH Manuscript, Dart Document Tracking Number: 03-199, October 2003
- x Reviewer for the peer-reviewed journal *Ergonomics* (2003 – 2008)
- x Craig, B., Review of the Textbook, *Production and Operations Analysis*, 4<sup>th</sup> Ed., by Steven Nahmias, April/May 2003

- x Craig, B., Technical Review of NIOSH Manuscript, Dart Document Tracking Number: 01-161, November, 2001.
- x Congleton, J. and Craig, B., Review of Textbook, *Occupational Ergonomics: Theory and Application* by Amit Bhattacharya and James McGlothlin, Monticello, NY: Marcel Dekker, Inc. *Ergonomics in Design*, Human Factors and Ergonomics Society, Santa Monica, CA, April 1998.

## Institutional and Professional Service

### University Service

- x Member of Cherry Engineering Building and Engineering Annex Renovation Planning Committees (2023 – 2024)
- x Lamar University Campus Master Planning Committee (2023 – 2024)
- x Lamar University Alumni Advisory Board Member (2020 – 2023)
- x Led start up of the Center for Midstream Management and Science (2019 – 2020)
- x Lamar University Strategic Planning Core Team (2019 – 2020)
- x Lamar University Strategic Planning Subcommittee One (2019 – 2020)
- x Risk Reduction Committee, Council of Instructional Departments (CID) Representative – Lamar University (2014 – 2018)
- x Council of Instructional Departments (CID) Executive Council Member – Lamar University (2014 – 2015)
- x Council of Instructional Departments (CID) Member – Lamar University (2010 – 2019)
- x Interim Director (September 2014 – June 2016), Associate Director for Research (July 2016 – August 2017), and Associate Director (January 2018 – August 2019) – Center for Port and Terminal Management.
- x Member – Online Faculty Task Force, Lamar University (2013 – 2014)
- x University Honors Committee, Council of Instructional Departments (CID) Representative – Lamar University (2012 – 2015)
- x Member – Student-Faculty Relations Committee, Lamar University (2009 – 2012)
- x Member – Lamar University Institutional Review Board (IRB) (2007 - 2016)
- x University Undergraduate Curriculum Council (UUCC), Council of Instructional Departments (CID) Representative – Lamar University (2012 – 2015)
- x Member – University Health and Safety Committee (2007 – 2013)
- x Lamar University Rugby Club Faculty Advisor (2010 – 2012)
- x Member – Honors Program Director Search Committee (2007 – 2009)
- x Member – Online Course Evaluation Advisory Committee (2007 – 2008)
- x Senator – Faculty Senate (2005 – 2008)
- x Member – University Honors Committee (2004 – 2008)
- x Student mentor, WINGS Foundations of Excellence Mentoring Program (2004 – 2008)
- x Member – All University Speaker Search Committee (2001)



## College Service

- x Several recruiting visits at a variety of community colleges and high schools in Southeast Texas and well beyond (2019 – 2024)
- x Committee Chair, Development of BSIT with Automation/Instrumentation Concentration Committee (2017 – present)
- x Authored the Texas Higher Education Coordinating Board original proposal for the Masters of Science in Port and Terminal Management (2015 – 2016)
- x Authored the SACS Prospectus for the Masters of Science in Port and Terminal Management (2015 – 2016)
- x Member – Executive Director Search Committee for the Center for the Advancement of Port Management (2015 – 2016)
- x Member – William B. and Mary Mitchell Endowed Chair Review Committee – Lamar University (2014)
- x Researcher – Transportation Research Group – Texas Transportation Institute (TTI) and Center for Ports and Waterways (CPW), Lamar University Divisions (2001 – 2014)
- x Chair – Student-Faculty Relations Committee, College of Engineering (2009 – 2010)
- x Member – College of Engineering Faculty Promotion and Tenure Committees (2006 – 2009)
- x Member – Texas Department of Transportation (TX DOT), Research Management Committee (RMC) 4, Technical Advisory Panel (TAP) (2004 – 2010)
- x Member – Engineering Mathematics Curriculum Committee (2004)
- x Member – Student-Faculty Relations Committee, College of Engineering (2003 – 2009)
- x Member – HEAF Funding Allocation Committee (2003 – 2007)
- x Member – University Professor/Merit Award College Committee (2002, 2007, 2009, 2010)

## Department Service

- x Member – Scholarship Committee (2024 – Present)
- x Chair – Visiting Assistant Professor and Instructor Search Committee (2018)
- x Recruiting visits (San Jacinto, Lee, Lonestar, etc.) (2015 – 2019)
- x Chair – Multimedia Producer Search Committee (2016)
- x Chair – Assistant Professor Search Committee (3 positions) (2015 – 2016)
- x Chair – Administrative Director Search Committee (2015 – 2016)
- x Chair – Assistant Professor Search Committee (2013 – 2014)
- x Chair – Technician Search Committee (2013 – 2015)
- x Chair – Instructor Search Committee (2013 – 2014)
- x ABET and SACS reports (2006 – present)
- x Numerous Departmental ABET Committees (2005 – present)
- x

- x Member, Industrial Engineering Department Advisory Council (IEDAC) (2001 – present)
- x Member, Industrial Technology Program Advisory Council (ITPAC) (2001 – present)
- x Department of Industrial Engineering Newsletter Editor (2001 – 2018)
- x Chair – Industrial Engineering Department Tenure and Promotion Committee (2010)
- x Chair – Assistant Professor Search Committee (four positions) (2004 – 2007)

#### Professional Service

- x Reviewer ASTM F3256-24: Standard Guide for the Recording, Reporting, and Analyzing Near-Miss Events to Improve Safety Across the Maritime Industry. December, 2024
- x Member, Texas Engineering Deans Council (July 2019 – October 2024)
- x TEES Regional Divisions Head for Lamar University (July 2019 – October 2024)
- x Member, Golden Triangle Business Roundtable (October 2019 – Present)
- x Member, Working Group, Major Review and Revision of ASTM F1166, Standard Practice for Human Engineering Design for Marine Systems, Equipment, and Facilities, ASTM International Committee on Ships and Marine Technology (F25). (January 2020 – Present).
- x Lamar University Representative – ExxonMobil's Community Advisory Panel (2019 – 2021)
- x Member, American Society of Engineering Education (ASEE) (2019 – present)
- x Member, SETWAC ERWD sub-committee (2018 – 2020)
- x Member, Engage Cuba – Texas Council (2016 – 2018)
- x Representative, The Port of Houston Partners in Maritime Education (PHPME) (2016 – 2018)
- x Advisory Council Member, Ocean Energy Safety Institute (OESI) Advisory Council, The Ocean Energy Safety Institute (OESI) is a collaborative initiative between the Texas A&M Engineering Experiment Station's (TEES) Mary Kay O'Connor Process Safety Center, partnering with Texas A&M University, University of Texas and University of Houston (2015 – 2019)
- x Member, Council of Industrial Engineering Academic Department Heads (CIEADH), Institute of Industrial and Systems Engineering (2010 – 2019)
- x ABET Program Evaluator (PEV) (2009 – 2019)
- x Member, International Organization for Standardization, Technical Committee 159, SC 5 (ISO TC159/SC5), *Ergonomics of the Physical Environment*, 2008 – 2013
- x Invited Keynote Speaker, Jefferson County Go-Texan Scholarship Banquet – Beaumont, Texas, May 2008 – 2012

#### External Promotion and Tenure Review

- x University of Michigan-Dearborn, tenure and promotion to associate professor (2017)
- x Texas A&M University, tenure and promotion to associate professor (2013)

## Licenses, Certifications, Honors, and Offices Held

- x Professional Engineer, Texas Board of Professional Engineers (2007 – Present)
- x Certified Professional Ergonomist, Board of Certification in Professional Ergonomics (2001 – Present)
- x University Scholar Award (Lifetime Award), Lamar University, 2014 – 2015
- x Research Enhancement Grant Award, Lamar University, 2010
- x Program Director (Director-at-Large 1), Human Factors and Ergonomics Society – Houston Chapter, 2005 – 2007
- x Research Enhancement Grant Award, Lamar University, 2005
- x University Merit Award, Lamar University, 2005
- x Research Enhancement Grant Award, Lamar University, 2001
- x Alpha Pi Mu - Industrial Engineering Honor Society
- x Graduate Enhancement Scholarship, 1994 – 1995

## Professional Memberships

- x Senior Member – Institute of Industrial Engineers (2001 – Present)
- x Member – Human Factors and Ergonomics Society (1996 – Present)
- x Member – American Society of Safety Engineers (2001 – Present)
- x Member – American Industrial Hygiene Association (2001 – 2016)
- x Member – Houston Human Factors Forum (2012 – 2018)
- x Member – American Society of Engineering Education (2017 – Present)