

Brian Nichols Craig, PhD, PE, CPE

Dean of Engineering
Charles and Eleanor Garrett Endowed Chair
Director, Maritime Safety Research Initiative
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Experience

- *Literature Review – Benefits of Sit-Stand Workstations*, Altec Industries, Inc., Birmingham, Alabama (2016)
- *Safety Assessment*, Southern Avionics, Beaumont, Texas (2013 – 2014)
- *Office and Control Room Ergonomic Assessment*, Veolia Environmental Services, Port Arthur, Texas (2012 – 2013)
- *Ergonomic Assessment*, American Valve and Hydrant, Beaumont, Texas (2012)
- Development Maintenance and Materials Handling sections of *Ergonomics Guide*, American Bureau of Shipping, Houston, Texas (2011 – 2012)
- Review of *Guidance Notes of Human Factors Engineering into the Design of Offshore Installations*, American Bureau of Shipping, Houston, Texas (2011)
- Development of *Human Factors and Ergonomics Toolbox Talks*, American Bureau of Shipping, Houston, Texas (2010)
- Review of *Human Factors, Ergonomics and Bridge Resource Management Activities of Various Class Societies*, American Bureau of Shipping, Houston, Texas (2009 – 2010)
- Technical Editor of *Introduction to Human Error Two-Day Training Course*, ABS Academy, American Bureau of Shipping, Houston, Texas (2009)
- Development of the *Ambient and Environmental Guidance Note*, American Bureau of Shipping, Houston, Texas (2008 – 2010)
- Development of the *Human Factors Engineering Toolkit*, American Bureau of Shipping, Houston, Texas (2008 – 2010)
- Development of the *Crew Habitability One-Day Training Course*, ABS Academy, American Bureau of Shipping, Houston, Texas (2008)
- *Office Ergonomics Evaluation*, Nalco, Beaumont, Texas (2007)
- *Human Performance in Inspection*, American Bureau of Shipping, Houston, Texas (2006 – 2007)
- *Forward Functional Reach*, Altec Industries, Inc., Birmingham, Alabama (2007)
- *Analysis of Incident Investigation and Root Cause Software*, American Bureau of Shipping, Houston, Texas (2007)
- *Human System Integration (HSI) Checklist for Military Vessels*, American Bureau of Shipping, Houston, Texas (2006 – 2007)
- *Guide for Means of Access to tanks and holds for Inspection*, American Bureau of Shipping, Houston, Texas (2005 – 2006)
- *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., Knoxville1.

- 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
- x Faculty Workshop on Accessing Program Outcomes Accreditation Board of Engineering and Technology (ABET), Phoenix, Arizona, January 2007
- x A Human Factors Approach to Accident Analysis and Prevention, All-Day Workshop, Denver, Colorado, October 2003
- x OSHA Strategic Initiative and OSHA Recordkeeping Training, Beaumont, Texas, January 2002
- x Alcoa Production System Training, Alcoa, Tennessee, May 2000
- x Supervisor Training – Core Skills for Building Commitment and Preparing Others to Succeed, Alcoa, Tennessee, December 1999
- x Supervisor Training – Potroom Process Training, Alcoa, Tennessee, May 1999
- x Supervisor Training – Labor Relations, Alcoa, Tennessee, March 1999
- x Supervisor Training – Handling Difficult Situations as a Supervisor through Both Positive and Negative Reinforcement, Alcoa, Tennessee, December 1998
- x Supervisor Training – Potroom Process Training, Alcoa, Tennessee, November 1998
- x Alcoa Production System Training, Charlotte, North Carolina, April 1998
- x Environmental Health and Safety Workshop, Atlanta, Georgia, April 1998
- x Health and Safety Management System, Pittsburgh, Pennsylvania, April 1998
- x Health and Safety Auditor Training, Addy, Washington, March 1998

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- *Estimation of the Probability of Occurrence of “Events” that Could Disrupt Operations on the Sabine – Neches Waterway by the Delphi Method (2006)*
- x Committee Chair for the following Undergraduate Honors Thesis, *A Prospective Field Study of the Relationship of Potential Occupational Risk Factors with Occupationally Related Back Injury (2004)*
- x Committee Co-Chair for the following McNair Thesis, *Psychosocial Risk Factors Related to Back Injury in the Material Handling Industry (2011)*
- x Committee Member/Chair – 79 ME/MEM students

Courses Taught

- x Occupational Ergonomics (undergraduate and graduate; face-to face)
- x Human Factors Engineering (undergraduate and graduate; face-to-face)
- x Methods, Standards, and Work Design (undergraduate; face-to-face)
- x Industrial and Product Safety (undergraduate and graduate; face-to-face/online)
- x Production and Inventory Control (undergraduate and graduate; face-to-face)
- x Production and Inventory Systems (undergraduate; face-to-face)
- x Introduction to Industrial Engineering (undergraduate; face-to-face)
- 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 and gaface)
- x

- 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 \$229,059. 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, B. Craig – Principal Investigator with Co-PI's: J. Curry, and W. Zhu (Summer 2018 – Summer 2020). Included in the Mariner Safety Program.
- x Prototype Leading Indicator Tool (PROLIT)/Offshore Safety Culture and Leading Indicators of Safety (OSCAR), American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator with Co-PI's: J. Curry, and W. Zhu (Fall 2010 – Summer 2020) \$494,599.

- x Mariner Safety Program (formerly Mariner Personal Safety), American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator with Co-PI's: J. Curry, and W. Zhu (Fall 2009 – Summer 2020) \$576,882.
- x *Proposal for Joint Safety Performance Benchmarking/Best Practices Initiative*, for the Petroleum Equipment & Services Association (PESA), Lamar University (Subaward), B. Craig – Principle Investigator with Co-PI's: J. Curry and W. Zhu. Submitted Spring 2018; Proposed Effective Dates 2018 – 2021, Total Budget Request \$149,600; Lamar University's Budget Request \$44,888. With the American Bureau of Shipping (Lead Organization). Not funded.
- x *Proposal for ABS Safety Culture Assessment Services for <Industry Partner>*, Lamar University (Subaward), B. Craig – Principle Investigator with Co-PI's: J. Curry and W. Zhu. Submitted Fall 2017; Proposed Effective Dates 2017 – 2019, Total Budget Request \$353,030; Lamar University's Budget Request \$99,000. With the American Bureau of Shipping (Lead Organization). Not funded.
- x Gulf Research Program, National Academies of Science, *Mitigation of Offshore Drilling Risk via Data Fusion-based Reliability Mssessmenrmd*,

Year 1 Budget Request: \$350,791 from Sponsor, \$176,876 from Lamar University,

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Publications and Presentations

Peer Reviewed Journal Publications

- x Zohoori, S., Jafari, M., Hamidi, M. and Craig, B . A New AIS Algorithm for Waterway Traffic Analysis: A Case Study of the Houston Ship Channel". *Journal of Ocean Technology*. Accepted with minor revisions, July 2021.
- x Abbasi, E., Li, Y., Wu, X., and Craig, B. Classification and Regression Trees (CART) to Analyze Factors Contributing to Crash Severity, *Journal of Safety Research*, submitted, March 2021.
- x Cho, J., Craig, B ., Hur, M., and Lim, J., A Novel Port Call Optimization Framework: A Case Study of Chemical Tanker Operations, *Applied Mathematical Modelling*, submitted, Accepted for publication September 2021.
- x Wu, X., Hamidi, M., Roy, U., and Craig, B. Estimated travel time of ships in narrow channel based on AIS data, *Ocean Engineering*, DOI: [10.1016/j.oceaneng.2019.106790](https://doi.org/10.1016/j.oceaneng.2019.106790), March 2020.
- x Rahimi, B., Hamidi, M., Mohassel, A., and Craig, B . (2020) Imperfect condition-based maintenance strategy for a deteriorating rail track system with multiple competitive failure modes. *Transportation Engineering, Part A: Systems*, 146(9), 04020088..
- x Li, G., Li, Y., Liu, X and Craig. B. Exploring the Effect of Weather, Lighting and Traffic Density on Driving Performance: A Simulator-Based Study, *Transportation Research Part F*, under review May 2020.
- x Mahesh, V., Li, Y. and Craig, B . EMG Analysis of Muscle Pump and Associated Lower Extremity Volume Change in Humans for Various Activities, *Applied Ergonomics*, final draft May 2020.
- 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 Australasian College of Road Safety*, Accepted for publication September 2021.
- x Kaneria, A., Hamidi, M., Zhu, W. and Craig, B. (2019) Traffic simulation of Houston Ship Channel for assessing the impact of waterway closures on vessel waiting time. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, 145(4), p.04019014.
- x Craig, B., Curry, J., Marquez, A., Rahman, M., Turpin, L., and Underdown, R. (2018). An optimization approach for content determination in a performance attribution report. *Journal of Performance Measurement*, 22(3), 25-36.
- x Papillion, R., Craig, B ., Curry, J., and Zhu, W., Near Miss Reporting Programs in the Maritime Industry". *Journal of Safety Research*, Submitted June 2017
- x Wu, X., Mehta, A., Zaloom, V. and Craig, B. Analysis of Waterway Transportation in Southeast Texas Waterways Based on AIS Data. *Ocean Engineering*, 121, pp. 196-209, May 2016
- x Craig, B., Congleton, J., Beier, E., Kerk, C., Amendola, A., and Gaines, W., Occupational Risk Factors and Back Injury. *International Journal of Occupational Safety and Ergonomics*, 19(3), 2013

- x McSweeney, K., Craig, B., Curry, J., and Zhu, W. Are Mariner Near Misses Influencing Design? *Transportation Research Record*, Journal of the Transportation Research Board, No. 2326, Washington, DC, 2013
- x Craig, B., Near Miss Reporting: Challenges and Obstacles to a Robust Near Miss Reporting System.

- x Craig, B., Das, K., and Khago, A., Shipboard and Shore Side Perception of Safety Culture. *Proceedings of the 2010 Industrial Engineering Research Conference*, Cancun, Mexico, June 2010
- x Craig, B., Congleton, J., Kerk, C., Amendola, A., Gaines, W., and Das, K., Potential Psychosocial Risk Factors and Occupational Injury/Illness. *Proceedings of the 2010 Industrial Engineering Research Conference*, Cancun, Mexico, June

- x Li, G., Li, Y., and Craig, B. (2019). A Systematic Review of Musculoskeletal Disorders (MSDs) Among Port Workers. In: Goossens R. (eds): *Advances in Social and Occupational Ergonomics*, 201-211, Springer, Cham.
- x Zhu, W., Curry, J., Craig, B., Zhou, J., Chu, H., and Yoo, J., Impact of Awarding Scholarships to Current Students, *Proceedings of the 2019 American Society of Engineering Education 126th Annual Conference and Exposition*, June 2019
- x Zhu, W., Curry, J., Zhou, J., and Craig, B., SCOPE STEM Scholarship Program for Industrial and Mechanical Engineering Students, *The 2018 Institute of Industrial and Systems Engineering Annual Conference*, Orlando, FL, May 2018
- x Paul, N., Li, Y., & Craig, B. (2018). Analysis of Muscular Fatigue and Foot Discomfort While Wearing Different Types of Men's Formal Shoes. In Houston HFES Symposium, April 20, 2018, Houston, TX.
- x Mahesh, V., Li, Y., and Craig, B. (2017). Effect of Motion Type and Inclination on Muscle Activity and Edema. In Southwest HFES Symposium, June 9, 2017, San Antonio, TX.
- x Akurke, S., Li, Y., and Craig, B. (2017). Effect of screen size of Smartphone on neck and arms. In Southwest HFES Symposium, June 9, 2017, San Antonio, TX.
- x Dabiran, Y., Li, Y., and Craig, B. (2017). Evaluating the effect of music on cognitive task performance. In Southwest HFES Symposium, June 9, 2017, San Antonio, TX.
- x Hamidi, M., Tokgoz, B., Marquez, A., and Craig, B., A Framework for Port Warehouse Space Assignment Problem, *The 2017 Institute of Industrial and Systems Engineering Annual Conference*. May 2017
- 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, *The 2017 American Society of Engineering Education 124th Annual Conference and Exposition*, Columbus, OH, June 2017
- 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 Discomfort and Fatigue during Food Service Tray-line Jobs (Poster), *Human Factors and Ergonomics Society – Houston Chapter, Clear Lake, Texas, June 2016*

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Corporate Social Responsibility (CSR) in Shipping, Special Session in *2nd International Maritime Incident and Near Miss Reporting Conference (IMISS2013)*, Kotka, Finland, June 2013

- x McSweeney, K., Craig, B., Curry, J., and Zhu, W. Are Mariner Safety Near Misses Influencing Design? Marine Transportation Safety and Human Factors Committee, *Transportation Research Board 92nd Annual Meeting*, Washington DC, January 2013
- x Curry, J., Zhu, W., Craig, B., McSweeney, K., Tomlinson, C., and Zaloom, V., Development of a Web-based Maritime Safety Survey Data Analysis System. *2012 Industrial Engineer Research Conference*, Orlando, Florida, May 2012
- x Tomlinson, C., Craig, B., and Meehan, M., Enhancing Safety Performance with a Leading Indicators Program. *Royal Institution of Naval Architects (RINA) International Conference on Human Factors in Ship Design and Operations*, London, England, November 2011
- x McSweeney, K. Coady, E., and Craig, B., Mariner Safety Near Misses Influencing Design. *ErgoShip 2011, The First Conference on Maritime Human Factors*, Gothenburg, Sweden, September 2011
- x Craig, B., Das, K., and Khago, A., Shipboard and Shore Side Perception of Safety Culture. *2010 Industrial Engineer Research Conference*, Cancun, Mexico, June 2010
- x Craig, B., Congleton, J., Kerk, C., Amendola, A., Gaines, W., and Das, K., Potential Psychosocial Risk Factors and Occupational Injury/Illness. *2010 Industrial Engineering Research Conference*, Cancun, Mexico, June 2010
- x McSweeney, K., Pray, J., and Craig, B., Integration of Human Factors Engineering into Design – An Applied Approach. *Royal Institution of Naval Architects (RINA) Human Factors Conference*, London, England, February 2009
- x Craig, B., Furtado, A. L., Chard, J. T., Zaloom, V. A., and Chu, H., Effect of , 2013 ELÒ m x

- x Congleton, J., Craig, B., Benden, M., and Parker, M., Current and Future Office Ergonomic Trends, 47th

- x Paul, N., Li, Y., and Craig, B. (2019). The Effect of Smartphone Using Postures and Tasks on Neck Flexion, Upper Extremity Muscular Fatigue and Users Discomfort. In Houston HFES Symposium, Houston, TX.
- x Rao, G., Patel, J., Jani, J., Madkour, N., Sharma, P., Li, Y., and Craig, B. (2019). Ergonomic Improvements in Heavy-Duty Four-Wheel Cart with Pelvis Support. In 1st Annual Graduate Research Celebration, Lamar University, Beaumont, TX.
- x Mhamunkar. M., Bagane, S., Kolhe, L., Singh, V., Li, Y., and Craig, B. (2019). Handheld Grass Cutter Machine with Supporting Wheels. Poster Session at the Houston HFES Symposium, Houston, TX.
- x Patel, J., Rao, G., Jani, J., Madkour, N., Sharma, P., Li, Y., and Craig, B. (2019). Ergonomic Improvements in Heavy-Duty Four-Wheel Cart with Pelvis Support. Poster Session at the Houston HFES Symposium, Houston, TX.
- x Patel, S., Li, Y., and Craig, B. (2019). Ergonomics evaluation of material handling task using a tilt table cart. Poster Session at the Houston HFES Symposium, Houston, TX.
- x Li, G., Li, Y., and Craig, B. (2019). Exploring the effects of weather, lighting condition and traffic volume on driver behavior: A simulator-based study. Poster Session at the Houston HFES Symposium, Houston, TX.
- x Kaneria, A., Li, Y., and Craig, B. (2019). Learning Drivers' Behavior Using Social Networking Service. Poster Session at the Houston HFES Symposium, Houston, TX.
- x Paul, N., Li, Y., and Craig, B. (2019). The Effect of Different Smartphone-Use Postures on Neck Flexion. Poster Session in 1st Annual Graduate Research Celebration, Lamar University, Beaumont, TX.
- x Li, G., Li, Y., and Craig, B. (2019). Exploring the effects of weather, lighting condition and traffic volume on driver behavior: A simulator-based study. Poster 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 CraigeTc0 sea42*.

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- 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*, Invited Panelist, Ship Operators Cooperative Program (SOCP), Galveston, Texas, May 2014.
- x Craig, B., and McSweeney, K., *Overview of Safety Culture, Leading Indicators, and Combined Safety Culture Dataset*, <Industry Partner>, Singapore, April 2014.
- x Craig, B., and McSweeney, K., *Introduction to Safety Culture and Leading Indicator Assessment for <Industry Partner>*, Singapore, April 2014
- x McSweeney, B., and Craig, B., *Introduction to the Mariner Personal Safety Project for <Industry Partner>*, Singapore, April 2014
- x Craig, B., and McSweeney, K., *Introduction to Safety Culture and Leading Indicator Assessment for <Industry Partner>*, Singapore, April 2014
- x McSweeney, B., and Craig, B., *Introduction to the Mariner Personal Safety Project for <Industry Partner>*, Singapore, April 2014
- x Craig, B., and McSweeney, K., *Introduction to Safety Culture and Leading Indicator Assessment for <Industry Partner>*, Singapore, April 2014
- x McSweeney, B., and Craig, B., *Introduction to the Mariner Personal Safety Project for <Industry Partner>*, Singapore, April 2014
- x Craig, B., and McSweeney, K., *Introduction to Safety Culture and Leading Indicator Assessment for <Industry Partner>*, Singapore, April 2014
- x McSweeney, B., and Craig, B., *Introduction to the Mariner Personal Safety Project for <Industry Partner>*, Singapore, April 2014

x Craig, B

- Materials Handling Jobs: A Prospective Field Study - Update*, National Science Foundation Industry/University Cooperative Research Center in Ergonomics at Texas A&M University – Industry Advisory Board, College Station, Texas, April 1999
- x Craig, B., *State of Ergonomics and Safety within the Primary Metals Division*, Aluminum Company of America – Primary Metals Smelting Operational Lead Team

Technical Papers/Reports

- x Craig, B., Curry, J., and Zhu, W.,

x Craig, B., *Alcoa Production System*

- 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*, 4th 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

- x Student mentor, WINGS Foundations of Excellence Mentoring Program (2004 – 2008)
- x Member – All University Speaker Search Committee (2001)

College Service

- 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 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 Undergraduate Industrial Engineering Advisor (2002 – present)
- x Alpha Pi Mu Faculty Advisor (2002 – 2014)
- x Lab and equipment acquisitions manager (2001 – 2019)

- x Member, Industrial Engineering Department Advisory Council (IEDAC) (2001 – present)
- x Member, Industrial Technology Program Advisory Council (ITPAC) (2001 – present)
- x

- 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 - Engineering Society – Human Factors and Ergonomics Society – Houston Chapter, 2005 – 2007

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