

Brian Nichols Craig, PhD, PE, CPE

Dean of Engineering
Charles and Eleanor Garrett Endowed Chair
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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, Valia 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 Installation, 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 Notes, 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 Seats, Tempur-Pedic, Inc., Birmingham, Michigan (2002)

- o 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)
- o 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

- 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 face)
- x

- x A Railyard Management Optimization Software – Phase I: Iron Horse Terminal Application-Phase, 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 Database, 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,

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

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- 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, Orlando, FL, 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 92 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, 4⁷^h

- 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 CraigeTc O 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 For, 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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