

Brian Nichols Craig, PhD, PE, CPE

Experience

Academic Experience

**Safety Assessment
Office and Control Room Ergonomic Assessment;**

Ergonomic Assessment;

Ergonomics

Guide,

**Guidance Notes of Human Factors Engineering into the Design of
Offshore Installations,**

Employee Utilization Guidelines in a Coking Operation at ExxonMobil Refining and Supply

**A Field Investigation/Verification of Transportation Methods of Laptop
Computer and Peripheral Equipment**

**Quantifying and Predicting Waterway Traffic Conditions: A Case Study of the
Houston Ship Channel
Big Data Based Exploration of Contributing Factors to Traffic Accidents in
Southeast Texas and an Experimental Validation
The Use of Near Misses in the Maritime Industry, Focusing on Cranes**

**Psychosocial Risk Factors
Related to Back Injury in the Material Handling Industry**

Courses Taught

Research Interests

Grants/Contracts/Projects

Forecasting Pilot Demand and Optimizing Vessel Schedule at the Houston Ship Channel,

B. Craig

A Railway Management Optimization Software: Iron Horse Terminal Application

Proposal for ABS Safety Culture Assessment Services for <Industry Partner>

ABS Guidance Notes for the Application of Ergonomics to Marine Systems **B. Craig**

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 **B. Craig**

Framework Preparation for the American Bureau of Shipping Guidance Notes on the Application of Ergonomics to Marine Systems Evaluator's Checklist **B. Craig**

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 **B. Craig**

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 **B. Craig**

Development of an Ergonomic Criteria Matrix

Craig B.,
Proceedings of the 2016 American Society of Engineering Education 123rd Annual Conference and Exposition

Craig B.,
Proceedings of the 2016 Industrial Engineering Research Conference

Craig B.,
Proceedings of the 2016 Industrial Engineering Research Conference

Craig B.,
2014 Offshore Technology Conference

Craig B.,
Proceedings of the Winter Simulation Conference (WSC 2013)

Craig B.,
2nd International Maritime Incident and Near Miss Reporting Conference (IMSS 2013)

Craig B.,
Proceedings of the Royal Institution of Naval Architects (RINA) International Conference on Human Factors in Ship Design and Operations

Craig B.,
ErgoShip 2011, Proceedings of The First Conference on Maritime Human Factors

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International Workshop on Human Factors in Offshore Operations

**Craig B,
Proceedings of the Applied Ergonomics Conference**

**Craig B,
Engineering Research Conference**

Proceedings of the Industrial

Craig B.
Human Factors and Ergonomics Society-

Houston Chapter

**Craig B., Preventive Maintenance for Port
Equipment with Schedule Constraints**

**Craig B. Evaluation of Flooring on Comfort and
Fatigue in Trolley Duties**

**Craig B., Joint Condition based
Maintenance Analysis of PAMs for a Two edging Network**

**Craig B., Online Simulation Course and "Arena Video
Tutor" Mobile App Development**

Craig B.

**95th Annual Meeting in r e d i A Transportation Research Board
Developing**

**Craig B.,
@2016 American Society of
Engineering Education 123rd Annual Conference and Exposition**

Craig B,

Industry Presentations

Craig B, **American Club and ABS, Houston**

Craig B,
National Safety Council, Waterborne Transport Group

Craig B, **2019**
Research Vessel Operators Committee Meeting (RVOC)

Craig B, **American Club and ABS, Houston**

Craig B, **American Club and ABS, Houston**

Craig B,
Transportation Research Board, Marine Safety and Human Factors Committee (AW010)

Craig B,
National Safety Council, Waterborne Transport Group

Craig B, **National**
Safety Council, Waterborne Transport Group

Craig B, Safety Data Performance Measurement for Continual Improvement

Craig B,

Craig B, **Leading Indicators and Safety Culture**
Assessment Results to Date

Craig B, Port Management Initiative at Lamar University

Craig B Center for the Advances of Port Management;

Craig B Introduction to Safety Culture Assessment;

Craig B Introduction to Safety Culture and Leading
Indicator Assessment for <Industry Partner>

Craig B Introduction to the Mariner Personal Safety Project
for <Industry Partner>

Craig B ASTM Near Miss and Injury Reporting Best Practices Update

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Craig B **ASTIM Near Miss and Injury Reporting Standards**
Update

Craig B **Maritime Near Miss Reporting**

Craig B **Safety Culture and Leading**
Indicator Assessment for <Industry Partner>

Craig B **Eliminating Barriers to Data Sharing Forum**

Craig B **Safety Issues and Proposed Solutions**

Craig B **Overview of Safety Culture, Leading Indicators,**
and Combined Safety Culture Dataset

Craig B **Introduction to Safety Culture and Leading**
Indicator Assessment for <Industry Partner>

Craig B **Introduction to the Mariner Personal Safety Project**
for <Industry Partner>

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Indicator Assessment for <Industry Partner>

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for <Industry Partner>

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for <Industry Partner>

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Indicator Assessment for <Industry Partner>

Craig B **Introduction to the Mariner Personal Safety Project**
for <Industry Partner>

Craig B **Safety Culture and Leading Indicator Assessment**
Kick Off for <Industry Partner>

Craig B **Overview of ABS Projects on Mariner Personal Safety (MPS) and**
Maritime Safety Research Center (MSRC),

Craig B,
National Safety Council, Waterborne Transport Group

Craig B,
National Safety Council, Waterborne Transport Group

Craig B,
National Safety Council, Waterborne Transport Group
Craig B, Accident Causation Human Error

**Craig B., American Waterways
Operators Interregion Safety Committee Summer Meeting**

Craig B., Office Ergonomics: Common Problems, Practical Solutions

**Craig B., American Waterways
Operators Coastal Safety Committee Summer Meeting**

**Craig B.,
National Safety Council, Waterborne Transport Group**

**Craig B., National Safety
Council, Waterborne Transport Group**

**Craig B., Ship Operations
Cooperative Program**

Craig B., Leading Indicators of Safety Performance and Safety Culture Analysis

Craig B., Evaluation of Off the Job Injuries

**Craig B., Validation of Ergonomic Criteria contained in the ABS Guidance Notes
for the Application of Ergonomics to Marine Systems**

**Craig B., Ergonomic Chair Field Evaluation and
Comparison**

Craig B., Ergonomics in the Potrooms

Craig B., State of Ergonomics at the Tennessee Smelter Site

Craig B, Introduction to Ergonomics in Design

Craig B, Ergonomics in the Office

Craig B, Ergonomic Evaluation of the Docutek Area in the Print Shop

Craig B, Correlation of Injury Occurrence Data with Estimated Maximal Aerobic Capacity and Body Composition in a High Frequency Manual Materials Handling Task- Update

Craig B, Leading Indicators of Safety Performance and Safety Culture Analysis

Craig B, Leading Indicators of Safety Performance and Safety Culture Analysis

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Craig B, Ergonomic Evaluation of the Laboratory Area

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Craig B, Vessel Motion and its Effect on Human Fatigue

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Craig B, Ergonomic Chair Field Evaluation and Comparison II

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Craig B, Employee Utilization Guidelines in a Coaling Operation at Exxon Mobile Refining and Supply

Craig B, Alcoa Production System Assessment in the Tennessee Operations Potrooms

Craig B, Self Assessment of the Ergonomics Program in the Tennessee Operations Smelter

Craig B, Evaluation of the Safety Program at Northwest Alloys, Inc., Following a Major Incident Involving Mobile Equipment

Craig B, Ergonomic and Safety Evaluation at the Badin Works Ingot Plant

Craig B, Ergonomic Evaluation of the Docutek Area in the Print Shop for Compaq Computer Corporation

Craig B, Ergonomic Evaluation of Banco Popular Check Processing Procedure for Banco Popular de Puerto Rico

Craig B, An Ergonomic Evaluation of an Industrial Molding Process at Longwood Elastomers

Craig B, **An Ergonomic Workstation Analysis**
of the Electronics Training Division at Texas A&M University

Craig B,

**The Business and Institutional Furniture Manufacturer's
Association (BIFMA)
Craig B,**

**American Journal of Industrial Medicine
Craig B,**

Journal of Industrial Medicine

**Epidemiology Journal
Craig B,**

**International
Craig B,**

American

The Open

Scientific Journals

Institutional and Professional Service

University Service

Department Service

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Ergonomics of the Physical Environment

External Promotion and Tenure Review

Licenses, Certifications, Honors, and Offices Held

Professional Memberships

