2013
Research and Creative Activity
Department of Industrial Engineering
Lamar University

Brian Craig, Ph.D., P.E., CPE, Professor, Chair
Victor Zaloom, Ph.D., P.E., Professor
Interim Dean of College of Engineering
Ryan Underdown, Ph.D., P.E., Associate Professor
James Curry, Ph.D., Associate Professor
Xinyu Liu, Ph.D., Associate Professor
Alberto Marquez, Ph.D., Associate Professor
Weihang Zhu, Ph.D., Associate Professor
Tae Hoon Kim, Ph.D. Adjunct Professor
Gary Yentzen, Instructor

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This report is published yearly by the Lamar University Department of Industrial Engineering to highlight the research and creative accomplishments of the faculty and students of the department.

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Publications

1. **James Curry, Weihang Zhu, Brian Craig, Lonnie Turpin Jr., Majed Al-Bokhari, Pavan Mhasavekar**, Using a Natural Language Generation Approach to Documenting Simulation Results, Winter Simulation Conference, December 2013, Washinton DC, USA

2. **Shreyas Shashidhara, Xinyu Liu, Weihang Zhu, James Curry, Victor Zaloom**, Experimental Investigation of the Tool Wear and Tool Life in Micro Hard Milling, American Society of Mechanical Engineers Annual Conference (IMECE-65607), November 2013, San Diego, USA


Theses and Field Studies Published

Doctoral Dissertations/Field Studies


Master of Engineering Science Theses


Presentations


**Current Funding**

1. Prototype Leading Indicator Tool, American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator with Co-PI’s: James Curry, and Weihang Zhu (Fall 2010 – Present) $349,402

2. Mariner Personal Safety, American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator with Co-PI’s: James Curry, and Weihang Zhu (Fall 2009 – Present) $394,402

3. Safety Culture Assessment, American Bureau of Shipping, Houston, Texas, B. Craig – Principal Investigator with Co-PI’s: James Curry, Weihang Zhu (Summer 2012 – Fall 2013)


**Panels**


**IE Student Papers**


**Online Courses**

In 2013, the IE department taught 21 online and distance education courses.