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Addendum

附录

教育学位

- 博士, 工业与系统工程, 美国密歇根州韦恩州立大学
- 硕士, 工业和制造工程, 美国密歇根州韦恩州立大学
- 硕士, 统计, 美国密歇根州韦恩州立大学
- 学士, 数学, 华南师范大学

学术生涯

教学经历

- 深圳南方科技大学业界导师 2018-现在
- 天津大学客座教授 2014-现在
- 中国质量协会六西格玛专家黑带导师 2014-现在
- 美国质量协会-精益六西格玛和 DFSS 培训材料开发讲师和培训师。 2001-现在
- 美国密歇根州韦恩州立大学兼职教授。 2003-2013
- 美国密歇根州特洛伊沃尔什学院兼职教授, 工程博士生的研究和论文指导 2005-2008,
- 美国福特汽车总部研究院和密歇根大学讲师。 2001-2005
- 美国质量协会六西格玛黑带培训讲师 2002-2005
- 美国密歇根州马科姆学院讲师 2001- 2002
- 美国韦恩州立大学博士研究助理 1996-2000
- 美国韦恩大学工业管理研究助理 1988-1990
- 美国韦恩大学数学系助教和硕士候选 1986-1988
- 韦恩州立大学中国学生会副主席。 1988
- 华南师范大学数学系助教/讲师 1985-1986
- 华南师范大学数学与计算机科学系学生顾问 /指导员 1983-1985

学术科研成果:

PUBLISHED ARTICLES:

发表的文章:

- Readiness Plan in Action: A case study on transfer function-based design for reliability and robustness Improvement in DFSS, American Society for Quality, Six Sigma Forum Magazine, November, 2013
行动中的准备就绪计划: DFSS六西格玛设计案例研究- 基于传递函数的可靠性和鲁棒性设计提高, 美国质量协会, 六西格玛论坛杂志, 2013年11月

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- Readiness Plan: Transfer function-based design for reliability and robustness improvement in Design for Six Sigma, American Society for Quality (ASQ), Six Sigma Forum Magazine, August, 2013
准备就绪计划: DFSS六西格玛设计案例研究- 基于传递函数的可靠性和鲁棒性设计提高, 美国质量协会, 六西格玛论坛杂志, 2013年8月
- Transfer-Function-based Reliability and Robustness Improvement, Society of Petroleum Engineers, to share and promote the best practices for effective and efficient reliability design and management in Oil and Gas industry, 2010
基于转换函数的可靠性和鲁棒性改进, 推广石油和天然气行业有效和高效可靠性设计和管理的最佳实践, 美国石油和天然气工程师协会, 2010年
- Enhancing Design Decision-Making through Development of Proper Transfer Function in Design for Six Sigma Framework, Journal of Six Sigma & Competitive Advantage (IJSSCA), 2007
六西格玛设计框架中, 开发适当的传递函数强化设计决策, 六西格玛与竞争优势杂志 (IJSSCA), 2007
- Transfer Function Development in Design for Six Sigma Framework – Part I, Society for Automotive Engineering, 2005
六西格玛设计框架中传递函数开发-第一部分, 汽车工程协会, 2005
- “Using Axiomatic Design to Improve Conceptual Design Robustness”, Journal of Six Sigma & Competitive Advantage (IJSSCA), April, 2004
使用公理化设计提高概念设计的鲁棒性, 六西格玛和竞争优势杂志 (IJSSCA), 2004年4月
- “Essentials of Design Robustness in Design for Six Sigma Methodology” Society for Automotive Engineering, 2004
六西格玛设计方法论中必不可少的鲁棒性设计, 美国汽车工程协会, 2004
- “Leveraging Six Sigma Disciplines to Drive Improvements”, Journal of Six Sigma & Competitive Advantage (IJSSCA), March, 2004
利用六西格玛原则推动改进, 六西格玛与竞争优势杂志 (IJSSCA), 2004年3月
- “Six Sigma Disciplines in Automotive Applications” Society for Automotive Engineering, 2004
- 六西格玛原则在汽车业的应用, 美国汽车工程学会, 2004年
- “Six Sigma Disciplines Utilizing Design for Six Sigma Strategy in Automotive Applications”, Society for Automotive Engineering, 2004
六西格玛原则在汽车行业应用中的六西格玛设计策略, 汽车工程学会, 2004
- “Review of Six Sigma and Design for Six Sigma” – Robustness Thinking in Design for Six Sigma Strategy, Automotive Excellence, American Society for Quality, 2003
- 复盘六西格玛和六西格玛设计- 在六西格玛设计策略中的鲁棒性思维; 卓越汽车杂志, 2003年美国质量协会
- A Key Role of Conceptual Design Robustness Improvements in Design for Six Sigma, American Supplier Institute, 2002
六西格玛设计中健壮概念设计提高的关键角色, 美国供应商协会, 2002年
- “Engine NVH Pattern Recognition Development” Ford NVH Conference, 2001
发动机 NVH(噪音、震动、平顺性)模式识别开发; 福特 NVH 会议, 2001年
- Enhancing Robust Design with Aids of TRIZ and Axiomatic Design–Part II (TRIZ Journal Oct. 2000 and Axiomatic Design Proceedings 2001
- 借助创新问题解决方法论 (TRIZ) 和公理化设计的辅助增强鲁棒性设计- 第2部分" (TRIZ 杂志2000年10月和公理化设计论文集2001
- “Enhancing Robust Design with Aids of TRIZ and Axiomatic Design–Part I” (TRIZ Journal Oct. 2000 and Axiomatic Design Proceedings 2001
- 借助 创新问题解决方法论 (TRIZ) 和公理化设计的辅助增强鲁棒性设计- 第1部分" (TRIZ 杂志 2000年10月和公理化设计论文集 2001
- Mechanical Crimping Process Improvement Using Robust Design Techniques in the International Robust Engineering Conference 1999

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使用鲁棒性设计提高机械压接工艺和流程：国际鲁棒性工程年会，1999年

- Robust Technology Development in a Clutch Subsystem Design in the International Total Product Development Symposium 1998
离合器子系统设计中的稳健技术开发：国际产品开发研讨会，1998年
- Reduction of Product Development Cycle Time: An Approach through QFD, Value Engineering and Robust Design in the International PD Symposium 1996
通过 质量功能展开、价值工程和鲁棒性设计的方法缩短产品开发周期时间：国际产品开发研讨会；1996年
- "From Destructive Test to Real Time Analysis – Using Regression Analysis and Design of Experiments", American Society for Quality, Toronto Conference, 1991
从破坏性测试到实时分析 - 利用实验设计和回归分析", 美国质量学会, 多伦多会议, 1991年

SELECTED PRESENTATIONS:

- Robust Design – An Open Secret Weapon for Engineering Efficiency Improvement, International Engineering Conference 2016.
- Strategic Impact of Design for Six Sigma in Enhancing Robust Product Development Process System, Annual China Six Sigma Conference, 2012
- Proactive design-in-quality/reliability through Design for Six Sigma , Oil and Gas Six Sigma Conference, Houston, TX, USA 2011
- Sustainable Quality Improvement thorough the power of Lean Six Sigma, Oil and Gas Conference, TX, USA 2010
- Robust Swell Packer Element Design Optimization Case Study, Schlumberger, TX 2009.
- Build in Reliability through Robust Design Strategies, Schlumberger Technologies Development, TX, 2008
- Reliability Scorecard in Design for Reliability Deployment, Schlumberger, Reliability Conference, 2009
- Design for Reliability through Design for Six Sigma disciplines, Schlumberger, TX, USA, 2009
- Essential of Robust Engineering in reliability and quality improvement, Schlumberger, TX, USA, 2008
- Design for Six Sigma Deployment Strategy for Success, The 2nd International Conference on Asian Industrial Engineering and Engineering Management & The 14th International Conference on Industrial Engineering and Engineering Management (IE&EM'2007) , Tianjin, China, 2007
- Enhancing Design Decision-Making through Development of Proper Transfer Function in Design for Six Sigma Framework, Society for Automotive Engineering, Detroit USA 2007
- Imperative Robustness Improvement in Design-in-Quality, Shanghai Automotive, Shanghai, China, 2006.
- "Robust Engineering in Design for Six Sigma", The 1st International Conference on Asian Industrial Engineering and Engineering Management & The 14th International Conference on Industrial Engineering and Engineering Management (IE&EM'2007) , Shandong, China, 2006
- "Embracing "Quality" To Achieve Global Competitive Advantages", Chery Automotive Leadership Forum, China, 2006
- "Breakthrough Competitive Strategy – The Power of Six Sigma", Competitive Advantage and Leadership Chongqing China, 2005
- DFSS: Do Right Things the First Time and Built-in Quality by Design, The First International Workshop: Design for Six Sigma, Glasgow, UK, 2005
- "Leveraging Six Sigma to Drive Improvements", The First Six Sigma National Conference in China 2003, Beijing, China
- Robust Engineering in Design for Six Sigma Framework, American Society for Quality, Ohio, USA, 2003
- A Key Role of Conceptual Design Robustness Improvements in Design for Six Sigma, American Supplier Institute, Massachusetts Institute of Technology Conference, Boston 2002
- Mechanical Crimping Process Improvement Using Robust Design Techniques in the International Robust Engineering Conference 1999
- Robust Design Using Simulation Model, 9th Annual United Technologies Corporation Engineering Conference & Technology, CT, USA, 1998
- Robust Design in Reliability Improvement Strategy, 8th Annual United Technologies Corporation Engineering Conference & Technology, CT, USA, 1997

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- Manufacturing Process Capability Assessment and Development in Product Launch, Magna International, Canada, 1992
- From Destructive Test to Real Time Analysis – Using Regression Analysis and Design of Experiments, American Society for Quality, Toronto Conference, Canada, 1991

TAUGHT CLASSES (教过的课程) :

- 自动驾驶健壮性
- 激光雷达健壮优化
- Lean Six Sigma Black Belt (4 weeks)
4周精益六西格玛黑带培训
- Design for Six Sigma (4 weeks)
4周精益六西格玛设计黑带培训
- Robust Design Green Belt (2 weeks)
2周健壮设计(鲁棒性)绿带培训
- Robust Design Black Belt (4 weeks)
4周健壮设计黑带培训
- Quality Management
质量管理
- Reliability Engineering
可靠性工程
- Reliability Test
可靠性测试
- Operation research
运筹学
- Statistical process control
统计流程控制
- Pattern Recognition using MTS
借助 MTS 的模式识别
- Time series
时间序列
- Design of experiments
实验设计
- Quality assurance
质量保证
- Operation Management
运营管理
- Supply Chain Management
供应链管理
- Quality Engineering / Robust Engineering,
质量工程 / 鲁棒性工程
- Statistics I&II / 统计 I&II
- Probability/概率
- Algebra / 代数
- Calculus/ 微积分