

当前位置: 副研究员 博士生导师 > 戴伟

师资概况

教授

副教授

讲师

助教



戴伟

职 称 副研究员 博士生导师
行政职务 教师
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研究方向

可靠性制造理论与技术研究，基于大数据的质量评价与分析。

教育背景

2008.09 - 2010.09 英国巴斯大学机械工程系IdMRC 联合培养博士
2004.09 - 2011.01 北京航空航天大学机械工程及自动化学院 质量工程 博士研究生
2003.09 - 2004.07 北京航空航天大学机械工程及自动化学院 制造系统工程 硕士研究生
1999.09 - 2003.07 北京航空航天大学机械工程及自动化学院 机械电子工程 本科

学术兼职

中国现场统计研究会可靠性工程分会秘书长

资质证书

讲授课程

本科生《失效分析技术基础》、《质量文化与技术素养》
研究生《可靠性制造技术》、《工程失效分析》

奖励与荣誉

2015年 校级教学成果一等奖
2018年 北京市教学成果二等奖

学术成果

期刊论文：

- (1) Wei Dai, Paul G. Maropoulos, Yu Zhao, Reliability modelling and verification of manufacturing processes based on process knowledge management, International Jour
- (2) Weifang Zhang, Yuanxing Huang, Wei Dai*, Xiaoshuai Jin, Chang Yin, A fracture analysis of Ti-10Mo-8V-1Fe-3.5Al alloy screws during assembly, Materials, 2016, 9(10).
- (3) Zhiyuan Lu , Wei Dai*, Yu Zhao, Reliability evaluation and analysis of grinding process based on machining physics, Materials Research Innovations, 2015, 19 (S5)
- (4) Dai. Wei, Maropoulos P.G., Cheung W.M., Tang X., Decision-making in product quality based on failure knowledge, International Journal of Product Lifecycle Mana
- (5) 匡芬, 戴伟(*), 陈亮, 赵宇, 基于质量损失的加工过程可靠性评估方法, 计算机集成制造系统, 2015, (06) : 1571-1578。
- (6) 匡芬(#), 戴伟(*), 王健, 赵宇, 基于质量特性演化的工艺可靠性评估, 计算机集成制造系统, 2015, (08) : 2124-2131。
- (7) 褚健(#), 戴伟(*), 安瑾, 雍世荣, 赵宇, 考虑任务可靠性的可重构制造系统返修策略研究, 计算机集成制造系统, 2015, 21 (5) : 1287-1292。
- (8) 张传良(#), 戴伟(*), 梁培东, 赵宇, 基于制造过程信息融合的产品早期失效率评估, 北京航空航天大学学报, 2015, 41 (8) : 1560-1566。
- (9) 吴晓楠; 戴伟(*); 杨军; 曹思婷, 国际合作办学项目内部质量保障体系研究——体系的构建、运行与评价, 北京航空航天大学学报(社会科学版), 2016.7.15, (04): 114~120
- (10) 汪邦军(#), 李润岐, 戴伟, 余元冠, 产品制造过程质量波动源解释结构模型与应用, 工业工程, 2016.10.15: 146~152
- (11) 汪邦军, 耿金凤, 戴伟, 余元冠, 航空软件研制过程质量评价及信度效率分析, 计算机集成制造系统, 2016.7: 2175~2186
- (12) 汪邦军, 余元冠, 戴伟, 刘宇, 多元非线性制造过程波动源识别模型与方法, 计算机集成制造系统, 2017.4.15: 825~835
- (13) 汪邦军(#), 耿金凤, 戴伟, 余元冠, 航空软件研制过程质量评价及信度效率分析, 计算机集成制造系统, 2016.7: 2175~2186 ;
- (14) 冯琦, 戴伟. 初始备件设计方法研究, 现代防御技术.2012 (4)

会议论文

- (15) Zhiyuan Lu, Wei Dai*, Bolt assembly optimization and life prediction based on creep curve, 9th International Conference on Digital Enterprise Technology, DET

- (16) Chang Yin, Wei Dai*, Yuanxing Huang, Optimization of the Manufacturing Defects of Plunger Unit based on Ion Implantation, 9th International Conference on Dig
- (17) Xiaonan Wu, Wei Dai*, Research on machining allowance distribution optimization based on processing defect risk, 9th International Conference on Digital Enterprise
- (18) Yuanxing Huang, Wei Dai*, Thermo-Mechanical Numerical Analysis for distortions introduced in titanium alloy blades by post-forge cooling, 9th International Confere
- (19) Xiaoliang Wang,
- (20) Yubing Huang, Wei Dai*, Yongjiao Chi, Yu Zhao, Quality entropy model of the numerical control manufacturing process, 11th International Conference on reliability, rr
- (21) Yongjiao Chi, Wei Dai*, Yu Zhao, Early diagnosis of processing faults based on machine online monitoring, 7th Prognostics and system health management conference
- (22) Jianglin Xiao, Wei Dai*, Shunmin Zhang, Mitigating the cascading failures spreading on assembly process networks, 11th International Conference on reliability, maint
- (23) Yuqing Zhang, Wei Dai*, Research on FEA based process improvement with online processing data, 46th computers & industrial engineering, Tianjin, CIE-2016, 2016
- (24) Wei Dai, Jian Chu, Yu Zhao, Research on Process Reliability of Grinding Based on Machining Physics, 2014 5rd Annual IEEE Prognostics and System Health Manag
- (25) Dai Wei, Chu J., Maropoulos P.G., Zhao Y., Research on rework strategies for reconfigurable manufacturing system considering mission reliability, International Co
- (26) Chuanliang Zhang, Wei Dai(*), Yu Zhao, Product Reliability Evaluation Based on Manufacturing Process Information Fusion, International Conference Vibroengineer
- (27) Wei Dai, Fen Kuang, Yu Zhao, Jian Wang, Manufacturing Process Reliability Evaluation Based on Granger Causality Test and Cox Model, 10th International Confer
- (28) Wang Yuhong, Zhang C.L., Wei Dai, Zhao Y., Process quality evaluation based on maximum entropy principle, 3rd Asian Pacific Conference on Mechanical Comp
- (29) Wei Dai, Zhang Chuanliang, P.G. Maropoulos, Yu Zhao, Research on reliability evaluation of reconfigurable manufacturing system, 43rd International Conference
- (30) Dai, Wei, An, Jin, Zhao, Yu, Research on the Rework Strategies of RMS Based on Process Reliability, 4th IEEE Conference on Prognostics and System Health Manag
- (31) Fen Kuang, Wei Dai, Yu Zhao, Production reliability evaluation of continuum-state manufacturing system based on universal generating function, 2013 IEEE Internat
- (32) Wei Dai, Fen Kuang, Jin An, Yu Zhao, Process reliability modeling based on characteristic mapping, 2012 IEEE International Conference on Industrial Engineering ar
- (33) An Jin, Dai Wei, Zhao Yu, Reliability modeling for manufacturing process, 2012 3rd Annual IEEE Prognostics and System Health Management Conference, PHM-20
- (34) 戴伟, 何益海, 康锐, 面向“卓越工程师教育培养计划”的质量工程技术教学与实践, 2012 第二届高等教育理工类教学研讨会, 泰安, 2012.11.24-25, 1222-1225.
- (35) Wei Dai, Jun Yang, Decision-making in process design based on failure knowledge, 2011 IEEE International Conference on Industrial Engineering and Engineering Ma

发明专利

- (36) 戴伟, 卢志远, 赵宇, 一种基于可靠性的磨削工艺评估方法, 中国, CN20141080 8296.x。
- (37) 戴伟, 匡芬, 赵宇, 一种基于任务可靠度的自组织配作加工方法, 北京, CN2014 10312351.6。
- (38) 戴伟, 卢志远, 赵宇, 一种考虑高温蠕变的螺栓预紧力退化过程实时检测装置, 中国, CN201510490884.8。
- (39) 戴伟, 张传良, 陈亮, 赵宇, 一种基于非线性相关分析的工艺可靠性评估方法, 中国, CN201510464687.9。

全体教师

学生工作

招生就业

科研方向

为民基金

办事指南

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