



ISSN 1006-5911

CODEN JJZXFN

计算机集成制造系统

Computer Integrated Manufacturing Systems

第19卷 第5期

Vol.19 No.5



5
—
2013

中国兵器工业集团第210研究所 主办

中国·北京

Computer Integrated Manufacturing Systems

Vol. 19 No. 5 May 2013

Contents

Overview and prospects of product low carbon design	
..... ZHAO Yanwei, HONG Huanhuan, ZHOU Jianqiang, WANG Huan, (897)	
..... WANG Hongwei, JIANG Gaochao, CHEN Jian	
Modular design of order product based on improved LFM algorithm	
..... LU Yujun, LEI Chengyu, GU Xinjian, QI Guoning (909)	
Network analysis method for commonality analysis of parts modules in modular product platform	
..... FAN Beibei, QI Guoning, YU Tao (918)	
Ant clustering graph partitioning for 3D CAD model module partition ...	
..... WANG Yanping, LI Yuan, ZHANG Jie (926)	
Concurrent design system for textile process based on product evolutionary	
..... LU Zhijun, XIANG Qian, YANG Jianguo, LIU Bin (935)	
Setup adjustment problem for multivariate process considering adjustment error	
..... ZHANG Zhijie, NIU Zhanwen, HE Zhen (941)	
Mapping technology for process dynamic setting by polychromatic sets	
..... KAO Shuting, QIAO Lihong (946)	
Discrete manufacturing production capacity modeling based on ISA-95	
..... SUN Dechang, SHI Haibo, SHANG Wenli, LIU Chang (954)	
Integrated information model of complex cable harness in virtual environment	
..... LIU Jiashun, LIU Jianhua, WANG Zhibin, SHANG Wei (964)	
Geometrical simulation framework of assembly process based on ontology	
..... ZHU Yixin, QIAO Lihong, Nabil Anwer (972)	
Design of generic mission planning framework for high resolution earth observation satellites	
..... LIAN Zhenyu, TAN Yuejin, HE Renjie, XING Lining (981)	
Assembly precision prediction method for spacecraft based on 3D model	
..... HU Wei, LIU Jianhua, JIANG Ke, GUO Chongying (990)	
Dynamic holographic model based on zero D	
..... WANG Zongyan, WANG Qiao, WU Shufang, QIN Huibin (1000)	
Adjusting position-orientation of large components based on key features	
..... LIU Jihong, PANG Yingzhong, ZOU Cheng (1009)	
Therblig-based modeling methodology for cutting power and its application in external turning	
..... JIA Shun, TANG Renzhong, LU Jingxiang (1015)	
Application research of STEP-NC compatible on-machine measurement system in closed-loop manufacturing ...	
..... LEI Pei, ZHENG Lianyu, XU Jingliang (1025)	
Model and algorithm to mission planning of agile earth observing satellites	
..... YAO Feng, XING Lining, HE Renjie, CHEN Yingwu (1035)	
Plate traceable system based on MAS in offshore equipment projects	
..... LI Jinghua, LU Huichao, HU Zai ping, SUN Miao, WANG Xueying (1041)	
Opportunistic maintenance modeling method for series production system based on capacity constraint resource	
..... SHAO Jianyi, ZHOU Binghai (1051)	
Reliability assessment method based on Bootstrap and SVM	
..... WU Jun, DENG Chao, XIONG Qiangqiang, ZHAO Ming (1058)	
Development and application of reliability test platform for high-speed punch	
..... ZHANG Xinzhou, SUN Yu, PENG Binbin, WANG Shuanhu (1064)	
Prediction of engine gas path parameter deviation based on fractional aggregation process neural network	
..... ZHONG Shisheng, CUI Zhiquan, WANG Tichun (1071)	
Networked monitoring technology of numerical control machine tools based on MTConnect	
..... LIURiliang, ZHANG Chengrui, JIANG Yu, WANG Ke (1078)	
Healthy evaluation and fault source diagnosis for process equipment systems based on data-driven	
..... CAO Jiabin, ZHENG Jianrong, XIA Chunming, ZHANG Liang (1085)	
Coordination of operation optimal control with crisp coalitions game for innovative product supply network ...	
..... HE Longfei, LU Haili, ZHAO Daozhi, GAO Changshui (1091)	
Logistic service supply chain coordination based on option and integrator risk aversion	
..... LI Jianfeng, CHEN Shiping, HUANG Zuqing, TANG Yibing (1105)	
Across-chain purchasing decision model and algorithm for cluster supply chain under limited over-stock contract	
..... LIU Chunling, XIAO Weichun, LI Jizi, MA Shihua, SUN Linfu, CAO Xiaogang (1115)	
Relationship between smarter manufacturing and smarter city	
..... GU Xinjian, DAI Feng, CHEN Jixi, YANG Qinghai, QI Guoning (1127)	
Implementation framework and methodology for enterprise modern manufacturing services system	
..... LI Hao, JI Yangjian, BAO Zhigang, GU Xinjian, QI Guoning (1134)	
Cloud manufacturing service platform for small and medium enterprises	
..... SONG Tingxin, ZHANG Chenglei, LI Chenghai, HUANG Biqing (1147)	
Self-organizing process of manufacturing service system based on cellular automata	
..... TIAN Jinghong, ZHANG Wei, WANG Zhengxiao, FANG Shuiliang, TANG Renzhong, PAN Xiaohong (1155)	

计算机集成制造系统

第 19 卷第 5 期

2013 年 5 月

目 次

产品创新开发技术

- 产品低碳设计研究综述与展望 赵燕伟,洪欢欢,周建强,王 欢,王宏伟,姜高超,陈 建(897)
- 基于最大适应度优化算法的订单产品模块化设计方法 鲁玉军,雷呈瑜,顾新建,祁国宁(909)
- 基于网络分析法的模块化产品平台中零部件模块通用性分析 樊蓓蓓,祁国宁,俞 涛(918)
- 三维 CAD 模型模块划分的蚁群聚类图分割方法 王延平,李 原,张 杰(926)
- 基于产品进化机理的纺织工艺并行设计系统 吕志军,项 前,杨建国,刘 彬(935)
- 考虑调整误差的多变量设置调整问题 张志杰,牛占文,何 桢(941)
- 基于多色集合的工艺动态场景映射技术 考书婷,乔立红(946)

数字化制造技术

- 基于 ISA-95 的离散制造生产能力建模 孙德广,史海波,尚文利,刘 昶(954)
- 虚拟环境下复杂线缆的集成信息模型 刘佳顺,刘检华,王志斌,尚 炜(964)
- 基于本体的装配过程几何仿真框架 朱怡心,乔立红,Nabil Anwer(972)
- 高分对地观测系统通用任务规划框架设计 廉振宇,谭跃进,贺仁杰,邢立宁(981)
- 基于三维模型的航天器装配精度预测方法 胡 伟,刘检华,蒋 科,郭崇颖(990)
- 基于零装配的动态全息模型 王宗彦,王 乔,吴淑芳,秦慧斌(1000)
- 基于关键特征的飞机大部件对接位姿调整技术 刘继红,庞英仲,邹 成(1009)
- 基于动素的切削功率建模方法及其在车外圆中的应用 贾 顺,唐任仲,吕景祥(1015)
- 闭环制造中兼容 STEP-NC 的在机测量系统应用研究 雷 沛,郑联语,徐景亮(1025)
- 灵巧卫星任务规划模型及算法 姚 锋,邢立宁,贺仁杰,陈英武(1035)
- 基于 MAS 的海洋工程装备项目钢板可追溯系统 李敬花,吕慧超,胡载萍,孙 森,王学营(1041)
- 基于 CCR 的串行生产系统机会维护建模方法 邵健一,周炳海(1051)
- 基于 Bootstrap 与 SVM 集成的可靠性评估方法 吴 军,邓 超,熊强强,赵 明(1058)
- 高速冲压机床可靠性试验平台开发及应用 张新洲,孙 宇,彭斌彬,王栓虎(1064)
- 基于分式聚合过程神经网络的发动机气路参数偏差值预测 钟诗胜,崔智全,王体春(1071)
- 基于 MTConnect 的数控机床网络化监控技术 刘日良,张承瑞,姜 宇,王 科(1078)
- 基于数据驱动的大型化工装置健康评估与故障源诊断 曹稼斌,郑建荣,夏春明,张 亮(1085)

现代企业管理技术

- 创新型产品供应网络运营最优控制与清晰联盟博弈协调 何龙飞,吕海利,赵道致,高常水(1091)
- 基于期权与集成商风险规避的物流服务供应链协调 李剑锋,陈世平,黄祖庆,汤易兵(1105)
- 有限超储契约下集群式供应链跨链采购决策模型及算法 刘春玲,肖位春,黎继子,马士华,孙林夫,曹晓刚(1115)

现代制造服务技术

- 智慧制造与智慧城市的关系研究 顾新建,代 风,陈茂熙,杨青海,祁国宁(1127)
- 企业现代制造服务系统实施框架与方法学 李 浩,纪杨建,暴志刚,顾新建,祁国宁(1134)
- 中小企业云制造服务平台的研究与开发 宋庭新,张成雷,李成海,黄必清(1147)
- 基于元胞自动机的制造服务系统自组织过程 田景红,张 卫,王正肖,方水良,唐任仲,潘晓弘(1155)

期刊基本参数:CN11-5946/TP * 1995 * m * A4 * 224 * zh * P * ¥45.00 * 1500 * 31 * 2013-05