

计算机集成制造系统

第 16 卷第 7 期

2010 年 7 月

目 次

产品创新开发技术

- 设计意图元表示研究 张应中, 罗晓芳 (1345)
- 基于草图认知分析的产品形态设计 熊 艳, 李 彦, 麻广林, 蒲 娟 (1354)
- 机械产品概念设计 BFBS 混合映射方法 陈旭玲, 楼佩煌, 唐敦兵, 朱仁森, 杨 雷 (1363)
- 面向工程重用的三维零件库服务系统 刘雪梅, 李爱平 (1371)
- 基于蚁群算法的工艺路线生成及优化 刘 伟, 王太勇, 周 明, 饶 俊 (1378)
- 基于桌面网格的分布交互仿真平台 张灏龙, 廖 馨, 郑宏涛, 赵 雯, 冷传航 (1383)

数字化制造技术

- 基于遗传算法的可重构制造系统多零件流水线构形优化 窦建平, 戴先中, 李 俊 (1390)
- 数控系统轮廓误差矢量模型及其应用 王宝仁, 王 捷, 张承瑞, 武洪恩 (1401)
- 可重构数字系统资源调度方法 邵利兵, 王树宗, 朱华兵 (1408)
- 基于时序模式挖掘的故障诊断方法 胡瑞飞, 王 玲, 梅筱琴, 罗 阳 (1412)
- 多目标柔性车间调度的 Pareto 混合禁忌搜索算法 李俊青, 潘全科, 王玉亭 (1419)
- 混合粒子群优化算法求解多车辆拖动货物问题 冯洪奎, 鲍劲松, 金 烨 (1427)
- 一种飞机装配作业批量排产的图解蚁群算法 闫振国, 李 原, 张 杰, 王延平 (1437)
- 一种扩展了条件和概率信息的 Petri 网 孙长乐, 郭东明, 高 航, 邹灵浩 (1444)
- 基于 Bayesian 网络的机械加工缺陷溯源方法 李丽娟, 高建民, 陈 琨 (1452)
- 基于 PLM-TC 的检测信息集成技术 莫 蓉, 乔玉炜, 常智勇, 石 源, 陈泽峰 (1458)

现代企业管理技术

- 基于逆向工程和粗糙集的协同设计领域本体构建方法 汤华茂, 郭 钢 (1465)
- 复杂语言信息环境中顾客需求重要度的确定方法 王晓敏, 熊 伟 (1472)
- 考虑资源置信度的跨企业项目伙伴选择方法 徐汉川, 徐晓飞, 何 霆 (1480)
- 竞争的闭环供应链回收渠道的演化博弈决策 韩小花, 薛声家 (1487)
- 逆向需求动态出现的混合集散货物路线问题 李 建, 达庆利, 孙 浩 (1494)
- 时间窗需求下供应商管理库存补货及发货动态批量研究 汪小京, 刘志学, 刘 丹 (1505)
- 供应商管理库存环境下一个装配系统的两次生产模式 蔡建潮, 韩 毅, 王丽萍 (1515)
- 基于过程改进的汽车零部件供应商绩效管理 易树平, 杨沅钊, 李发权, 高庆莹 (1522)
- 需求不确定条件下的闭环供应链模型 易余胤, 陈月霄 (1531)
- 回收物流系统生产库存优化模型 狄卫民, 王梅杰 (1539)

现代制造服务技术

- 面向信息资源管理的维修 BOM 结构设计与分析 任良全, 张 君, 张 力, 王建民 (1545)
- 民用航空发动机维修计划启发式算法 付旭云, 钟诗胜 (1552)
- 身份可追查的抗合谋攻击广义虚拟企业信任交互方案 张文芳, 王小敏, 何大可 (1558)
- 关于召开 2010 年全国现代制造集成技术学术会议的通知 (1451)
- 第 15 卷(2009 年)第 12 期入选 Ei 论文及作者名单 (1530)
- 第 16 卷(2010 年)第 1 期入选 Ei 论文及作者名单 (1544)

期刊基本参数: CN11-5946/TP * 1995 * m * A4 * 224 * zh * P * ¥45.00 * 1500 * 29 * 2010-07

Computer Integrated Manufacturing Systems

Vol. 16 No. 7 July 2010

Contents

Design meta-intent representation	ZHANG Yingzhong, LUO Xiaofang	(1345)
Product form design based on the sketch cognitive analysis ...	XIONG Yan, LI Yan, MA Guanglin, PU Juan	(1354)
Behavior-function & behavior-structure hybrid mappings in mechanical conceptual design	CHEN Xuling, LOU Peihuang, TANG Dunbing, ZHU Renmiao, YANG Lei	(1363)
3D parts library service system for engineering reuse	LIU Xuemei, LI Aiping	(1371)
Generation and optimization of process routing based on ant colony algorithm	LIU Wei, WANG Taiyong, ZHOU Ming, RAO Jun	(1378)
Distributed interactive simulation platform based on desktop grid	ZHANG Haolong, LIAO Xin, ZHENG Hongtao, ZHAO Wen, LENG Chuanhang	(1383)
Optimization for multi-part flow-line configurations of reconfigurable manufacturing systems based on genetic algorithm	DOU Jianping, DAI Xianzhong, LI Jun	(1390)
Contour error vector model and its application to CNC systems	WANG Baoren, WANG Jie, ZHANG Chengrui, WU Hongen	(1401)
Resources scheduling of reconfigurable digital system	SHAO Libing, WANG Shuzong, ZHU Huabing	(1408)
Fault diagnosis based on sequential pattern mining	HU Ruifei, WANG Ling, MEI Xiaoqin, LUO Yang	(1412)
Hybrid Pareto-based tabu search algorithm for solving the multi-objective flexible Job Shop scheduling problem	LI Junqing, PAN Quanke, WANG Yuting	(1419)
Hybrid particle swarm optimization algorithm for multiple vehicle dragging goods problem	FENG Hongkui, BAO Jinsong, JIN Ye	(1427)
Graph-based ant colony algorithm for aircraft assembly batch scheduling	YAN Zhenguo, LI Yuan, ZHANG Jie, WANG Yanping	(1437)
Petri net extended with condition and probability information	SUN Changle, GUO Dongming, GAO Hang, ZOU Linghao	(1444)
Machining error source tracing method based on Bayesian networks	LI Lijuan, GAO Jianmin, CHEN Kun	(1452)
Validation informatization based on product lifecycle management-Teamcenter	MO Rong, QIAO Yuwei, CHANG Zhiyong, SHI Yuan, CHEN Zefeng	(1458)
Ontology construction in collaborative design domain based on reverse engineering and rough sets	TANG Huamao, GUO Gang	(1465)
Importance ratings determining of customer requirements in complex linguistic information environment	WANG Xiaotun, XIONG Wei	(1472)
Partner selection method for cross-enterprise project by considering resource confidence	XU Hanchuan, XU Xiaofei, HE Ting	(1480)
Reverse channel decision for competition closed-loop supply chain based on evolutionary game	HAN Xiaohua, XUE Shengjia	(1487)
Mixed vehicle routing problem with dynamic reverse demands	LI Jian, DA Qingli, SUN Hao	(1494)
Dynamic lot-sizing policy of replenishment and dispatch in the VMI supply chain with time window demand ...	WANG Xiaojing, LIU Zhixue, LIU Dan	(1505)
Twice production mode of an assembly system under vendor managed inventory	CAI Jianhu, HAN Yi, WANG Liping	(1515)
Performance management based on process improvement for automobile components suppliers	YI Shuping, YANG Yuanzhao, LI Faquan, GAO Qingxuan	(1522)
Closed-loop supply chain models under uncertain demand	YI Yuyin, CHEN Yuexiao	(1531)
Production inventory optimization model for returned logistics system	DI Weimin, WANG Meijie	(1539)
Information resources organizing-oriented design and analyzing of maintenance BOM	REN Genquan, ZHANG Jun, ZHANG Li, WANG Jianmin	(1545)
Heuristic algorithm for solving the aeroengine maintenance scheduling problem	FU Xuyun, ZHONG Shisheng	(1552)
Novel conspiracy attack immune generalized interactive authentication scheme for virtual enterprises with traceability	ZHANG Wenfang, WANG Xiaomin, HE Dake	(1558)