

计算机集成制造系统

第 16 卷第 8 期

2010 年 8 月

目次

产品创新开发技术

- 柔性工作流程理论方法综述 李竞杰, 王维平, 杨 峰 (1569)
- 基于 workflow 模式的 BPMN 过程模型验证方法 蔡章利, 易树平, 高庆莹 (1578)
- 基于公理设计的产品平台规划方法 程 强, 刘志峰, 蔡力钢, 张国军, 顾佩华 (1587)
- 协同设计中任务管理的不确定性表示与验证 安毅生, 李人厚, 赵祥模 (1597)
- 基于常用配置元的在线产品配置方法 付启敏, 刘 伟 (1607)
- 箱体类零件变批量生产的分层工艺实例检索策略 段建国, 李爱平, 徐立云, 谢 楠 (1614)
- 复杂产品计算机辅助装配过程控制与管理系统 刘检华, 丁向峰, 袁 丁, 张佳朋, 万 峰 (1622)
- 生产型虚拟制造系统过程模型的 Z 规范技术 赵晓峰, 赵正旭, 周以齐, 杨超英 (1634)
- 基于主动轮廓模型的复杂陶芯弯扭变形分析 黄胜利, 卜 昆, 徐岳琳, 程云勇 (1643)

数字化制造技术

- 基于虚拟制造单元的制造资源组织模型 郭 宁, 金天国, 刘文剑 (1649)
- 动态环境下基于反馈控制的耦合设计迭代分析方法 陈庭贵, 琚春华, 肖人彬 (1657)
- 基于自适应粒子群算法的制造单元集成构建方法 郑永前, 张 锦 (1666)
- 整体叶轮数控电解加工仿真与自动编程平台 王福元, 徐家文, 赵建社 (1673)
- 锻造多属性有条件相容并行组批优化 方叶祥, 曹爱军, 李东波 (1679)
- 基于弱同步的服务交互适配方法 郑 剑, 江建慧 (1688)
- 整体叶轮插铣粗加工算法 李 浩, 陈五一, 陈彩红 (1696)
- 求解生产批量计划问题的改进量子进化算法 孙棟华, 解 佳, 赵 敏 (1702)
- 测量数据点的高精度 B 样条曲线拟合法 赵世田, 赵东标, 付莹莹 (1708)
- SMT 片式元件焊点三维质量信息提取技术 赵辉煌, 周德俭, 黄春跃 (1714)
- 基于并行拣选策略的自动拣选系统品项分配 张贻弓, 吴耀华 (1720)

现代企业管理技术

- 多产品分批次采购的供应商选择模型及优化算法 王雪莲, 钟石泉, 刘伟华 (1726)
- 随机产量下的二级供应链契约协调 廖 莉, 吴耀华, 孙国华 (1733)
- 基于最小二乘法的原材料差异调整方法 刘晓冰, 崔发婧, 薄洪光, 黄学文 (1742)

现代制造服务技术

- 面向服务的企业与业务生态系统 张建良, 范玉顺 (1751)
- 基于概念邻近度的本体映射重用 严隽薇, 赵 振, 于 轶, 刘 敏 (1760)
- 基于知识库的面向服务架构 丛 凯, 张 霖, 罗永亮, 陶 飞 (1768)
- 面向服务的汽车配件需求预测模型 廖伟智, 孙林夫, 杜平安 (1778)
- 基于 OWL-P 的产品开发过程共享信息语义描述 张 辉, 张 霖, 陶 飞, 赖李媛君 (1783)

期刊基本参数: CN11-5946/TP * 1995 * m * A4 * 224 * zh * P * ¥45.00 * 1500 * 28 * 2010-08

Computer Integrated Manufacturing Systems

Vol. 16 No. 8 Aug. 2010

Contents

Review on approaches of flexible workflow	LI Jingjie, WANG Weiping, YANG Feng (1569)
Verification method for BPMN process model based on workflow patterns	CAI Zhangli, YI Shuping, GAO Qingxuan (1578)
Planning method for product platform based on axiomatic design	CHENG Qiang, LIU Zhifeng, CAI Ligang, ZHANG Guojun, GU Peihua (1587)
Uncertainty expression & verification of task management in collaborative design	AN Yisheng, LI Renhou, ZHAO Xiangmo (1597)
Product configuration method based on the common configuration elements	FU Qimin, LIU Wei (1607)
Hierarchical retrieval strategy on process case for scalable batch manufacturing of prismatic parts	DUAN Jianguo, LI Aiping, XU Liyun, XIE Nan (1614)
Computer aided assembly process control & management system for complex product	LIU Jianhua, DING Xiangfeng, YUAN Ding, ZHANG Jiapeng, WAN Feng (1622)
Z specification technology for process model of production virtual manufacturing system	ZHAO Xiaofeng, ZHAO Zhengxu, ZHOU Yiqi, YANG Chaoying (1634)
Analysis of bending & torsion deformation for complex ceramic core based on active contour model	HUANG Shengli, PU Kun, XU Yuelin, CHENG Yunyong (1643)
Manufacturing resources organization model based on virtual manufacturing cell	GUO Ning, JIN Tianguo, LIU Wenjian (1649)
Analytical approach of coupled design iteration based on feedback control in dynamic environment	CHEN Tinggui, JU Chunhua, XIAO Renbin (1657)
Manufacturing cell integration formation method based on adaptive particle swarm optimization	ZHENG Yongqian, ZHANG Jin (1666)
Simulation and automatic programming platform for NC electrochemical machining of integral impeller	WANG Fuyuan, XU Jiawen, ZHAO Jianshe (1673)
Parallel batching optimization with multi-attribute & compatible job in forging	FANG Yexie, CAO Aijun, LI Dongbo (1679)
Service interactions adaptation approach based on weak synchronization	ZHENG Jian, JIANG Jianhui (1688)
Rough machining method for blisk plunge milling	LI Tian, CHEN Wuyi, CHEN Caihong (1696)
Improved quantum-inspired evolutionary algorithm for lot size scheduling problem	SUN Dihua, XIE Jia, ZHAO Min (1702)
High precision B-spline curve fitting algorithm of measure points	ZHAO Shitian, ZHAO Dongbiao, FU Yingying (1708)
3D quality information extraction technology for SMT solder joint of chip components	ZHAO Huihuang, ZHOU Dejian, HUANG Chunyue (1714)
Item assignment for automatic picking system based on parallel picking strategy	ZHANG Yigong, WU Yaohua (1720)
Supplier selection model and its optimization algorithm in multi-product and multi-batch purchasing	WANG Xuelian, ZHONG Shiquan, LIU Weihua (1726)
Contract coordination for a two-stage supply chain with random yield	LIAO Li, WU Yaohua, SUN Guohua (1733)
Adjusting method for raw materials quantity variance based on least-squares method	LIU Xiaobing, CUI Fajing, BO Hongguang, HUANG Xuerwen (1742)
Service-oriented enterprise and business ecosystem	ZHANG Jianliang, FAN Yushun (1751)
Ontology mapping reuse based on neighboring concepts similarity	YAN Junwei, ZHAO Zhen, YU Yi, LIU Min (1760)
Service-oriented architecture based on knowledge base	CONG Kai, ZHANG Lin, LUO Yongliang, TAO Fei (1768)
Forecasting model of auto parts demand for after-sale service	LIAO Weizhi, SUN Linfu, DU Ping'an (1778)
Semantic description of shared information in the product development based on OWL-P	ZHANG Hui, ZHANG Lin, TAO Fei, LAI Liyuanjun (1783)