本期目录 | 下期目录 | 过刊浏览 | 高级检索

[打印本页] [关闭]

## 论文

基于经验反馈模型的模具企业知识获取框架

胡沙1.杨双荣2.李建军2

1. 华中科技大学材料成形与模具技术国家重点实验室

## 摘要:

针对模具企业知识集成过程中出现的经验知识提取困难等问题,提出了基于经验反馈模型的知识获取框架。研究了 面向模具生命周期的知识获取方法,实现了基于本体的知识提取和表达,采用概念图对经验进行可视化建模,并使 用Web本体语言(Web Ontology Language,OWL)对知识进行统一的描述与存储。阐述了该框架的结构与运行 原理,并在此基础上实现了基于面向服务架构的模具企业集成平台知识获取服务。该框架满足模具企业设计制造经 验性强等特点,采用符合业务流程的知识获取过程和可视化经验表达方法,降低了知识获取的难度和成本。

概念图 Web本体语言 面向服务架构 关键词: 模具企业 经验反馈 知识获取 本体 die and mold enterprise experience feedback knowledge acquisition ontology conceptual graph Web Ontology language Service Oriented Architecture (SOA)

Knowledge acquisition framework based on experience feedback model for die and ▶本体 mold enterprise

## Abstract:

Concerning the difficulties of experience knowledge acquisition during knowledge integration process of die and mold enterprises, a knowledge acquisition framework based on experience feedback model was proposed. First, the knowledge acquisition method based on mold product lifecycle was studied and the Ontology-based knowledge extraction and representation were realized, conceptual graph was adopted to construct visual modeling and Web Ontology Language (OWL) was used to describe and store knowledge in a uniform way. Then, the structure and the runtime principle were stated. Finally, the knowledge acquisition services of mold enterprise integration platform based on service-oriented architecture were implemented. As the proposed framework satisfies the experience characteristics and ▶ 胡沙 adopts streamlining knowledge acquisition process and visualization representation methods, the difficulties and the costs are reduced.

## Keywords:

收稿日期 2008-11-18 修回日期 2008-12-19 网络版发布日期 2009-06-09

DOI:

## 基金项目:

"十一五"国家科技支撑计划资助项目"机械装备行业专业应用软件及知识管理系统"(2006BAF01A43);国家 级基金

通讯作者: 胡沙

作者简介:

# 扩展功能

# 本文信息

- ▶ Supporting info
- PDF(863KB)
- ▶ [HTML全文]
- ▶参考文献

# 服务与反馈

- ▶把本文推荐给朋友
- ▶加入我的书架
- ▶加入引用管理器
- ▶引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶浏览反馈信息

# 本文关键词相关文章

- ▶ 模具企业
- ▶ 经验反馈
- ▶知识获取
- ▶概念图
- ▶ Web本体语言
- ▶面向服务架构
- b die and mold enterprise
- experience feedback
- knowledge acquisition
- ▶ ontology
- conceptual graph
- ▶ Web Ontology language
- Service Oriented Architecture (SOA)

- ▶杨双荣
- ▶ 李建军

## PubMed

- Article by Hu,s
- Article by Yang, S.R
- Article by Li, J.J.

参考文献:			
2 7 7 141.			

本刊中的类似文章

1. 陈锐 张蕾 卢春俊 牟力科.基于概念图的信息检索的查询扩展模型[J]. 计算机应用, 2009,29(2): 545-548

文章评论 (请注意:本站实行文责自负,请不要发表与学术无关的内容!评论内容不代表本站观点.)

反 馈 人	邮箱地址	
反 馈 标 题	验证码	4929

Copyright 2008 by 计算机应用