Web of Science TM

InCites TM

Journal Citation Reports ®

Essential Science Indicators SM

EndNote TM

登录 🔻

帮助

简体中文 🔻

WEB OF SCIENCE™



检索

返回检索结果

检索历史

标记结果列表

全文选项 🕶

☑ 查找全文



保存至 EndNote online

添加到标记结果列表

第1条,共1条

A Trusted Real-Time Scheduling Model for Wireless Sensor **Networks**

作者: Zhang, WZ (Zhang, Weizhe)[1]; Song, BY (Song, Boyu)[1]; Bai, EC (Bai, Enci)[1]

JOURNAL OF SENSORS

文献号: 8958170

DOI: 10.1155/2016/8958170

出版年: 2016 查看期刊信息

摘要

Heterogeneous multicore and multiprocessor systems have been widely used for wireless sensor information processing, but system energy consumption has become an increasingly important issue. To ensure the reliable and safe operation of sensor systems, the task scheduling success rate of heterogeneous platforms should be improved, and energy consumption should be reduced. This work establishes a trusted task scheduling model for wireless sensor networks, proposes an energy consumption model, and adopts the ant colony algorithm and bee colony algorithm for the task scheduling of a real-time sensor node. Experimental result shows that the genetic algorithm and ant colony algorithm can efficiently solve the energy consumption problem in the trusted task scheduling of a wireless sensor and that the performance of the bee colony algorithm is slightly inferior to that of the first two methods.

关键词

KeyWords Plus: MULTIPROCESSORS; OPTIMIZATION; TASKS

作者信息

通讯作者地址: Zhang, WZ (通讯作者)

Harbin Inst Technol, Sch Comp Sci & Technol, Harbin 150001, Heilongjiang, Peoples R China. 地址:

🛨 [1] Harbin Inst Technol, Sch Comp Sci & Technol, Harbin 150001, Heilongjiang, Peoples R China

电子邮件地址: wzzhang@hit.edu.cn

基金资助致谢

基金资助机构	授权号
National Natural Science Foundation of China (NSFC)	61173145
Doctoral Program of Higher Education of China (RFDP)	20132302110037

查看基金资助信息

出版商

HINDAWI PUBLISHING CORP, 410 PARK AVENUE, 15TH FLOOR, #287 PMB, NEW YORK, NY 10022 USA

类别 / 分类

研究方向: Engineering; Instruments & Instrumentation

Web of Science 类别: Engineering, Electrical & Electronic; Instruments & Instrumentation

文献信息

文献类型: Article

引文网络

0 被引频次

17 引用的参考文献

查看 Related Records

查看引证关系图



🔔 创建引文跟踪

(数据来自 Web of Science TM 核心合集)

全部被引频次计数

- 0 / 所有数据库
- 0 / Web of Science 核心合集
- 0 / BIOSIS Citation Index
- 0/中国科学引文数据库
- 0 / Data Citation Index
- 0 / Russian Science Citation Index
- 0 / SciELO Citation Index

使用次数

最近 180 天: 3 2013 年至今: 3

进一步了解

此记录来自:

Web of Science TM 核心合集

建议修正

如果希望提高此记录中数据的质量,请 提供修正建议。

语种: English

入藏号: WOS:000372976300001

ISSN: 1687-725X eISSN: 1687-7268

期刊信息

Impact Factor (影响因子): Journal Citation Reports®

其他信息 IDS 号: DH7LU

Web of Science 核心合集中的 "引用的参考文献": 17

Web of Science 核心合集中的 "被引频次": 0

第1条,共1条

© 2016 THOMSON REUTERS 使用条款 隐私策略 反馈