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标题: A Trusted Real-Time Scheduling Model for Wireless Sensor Networks

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来源出版物: JOURNAL OF SENSORS **文献号:** 8958170 **DOI:** 10.1155/2016/8958170 **出版年:** 2016

Web of Science 核心合集中的 "被引频次": 0

被引频次合计: 0

使用次数 (最近 180 天): 3

使用次数 (2013 年至今): 3

引用的参考文献数: 17

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.

入藏号: WOS:000372976300001

语种: English

文献类型: Article

KeyWords Plus: MULTIPROCESSORS; OPTIMIZATION; TASKS

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出版商: HINDAWI PUBLISHING CORP

出版商地址: 410 PARK AVENUE, 15TH FLOOR, #287 PMB, NEW YORK, NY 10022 USA

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

研究方向: Engineering; Instruments & Instrumentation

IDS 号: DH7LU

ISSN: 1687-725X

eISSN: 1687-7268

29 字符的来源出版物名称缩写: J SENSORS

ISO 来源出版物缩写: J. Sens.

来源出版物页码计数: 8

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