

Access provided by:
Politehnica Timisoara
 Sign Out

BROWSE

MY SETTINGS

GET HELP

WHAT CAN I ACCESS?

Browse Conference Publications > Applied Computational Intelli ...

Back to Results

Analysis and improvements in energy consumption models for RTS

 Full Text as PDF

 Full Text in HTML

5
Author(s)

Stangaciu, C.S. ; Comput. & Software Eng. Dept., Politeh. Univ. Timisoara, Timisoara, Romania ; Horvath, A.M. ; Micea, M.V. ; Cretu, V.I.
 more authors

Abstract

Authors

References

Cited By

Keywords

Metrics

Similar

In this paper we perform an analysis of the main software methods for consumption reduction in real time systems (RTS). The study covers both scheduling methods and energy consumption models for RTS, where we focus on sensor nodes. Further on, we propose a new consumption model for a large number of node configurations, which suites most of the main scheduling algorithms. We also introduce a software environment which integrates the new model and provides a set of reports and graphical results to compare the power consumption efficiency of the scheduling algorithms.

Published in:

Applied Computational Intelligence and Informatics (SACI), 2015 IEEE 10th Jubilee International Symposium on

Date of Conference:

21-23 May 2015

Page(s):

277 - 282

INSPEC Accession Number:

15383529

Conference Location :

Timisoara

DOI:

10.1109/SACI.2015.7208213

Publisher:

IEEE

Personal Sign In | Create Account

IEEE Account

- » Change Username/Password
- » Update Address

Purchase Details

- » Payment Options
- » Order History
- » View Purchased Documents

Profile Information

- » Communications Preferences
- » Profession and Education
- » Technical Interests

Need Help?

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060
- » Contact & Support