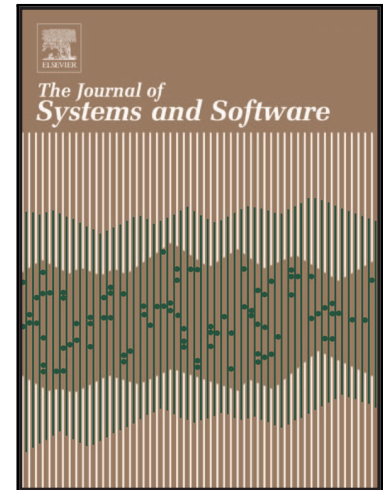


Accepted Manuscript

Development and Use of a New Task Model for Cyber-Physical Systems: a Real-Time Scheduling Perspective

Jinkyu Lee, Kang G. Shin

PII: S0164-1212(17)30004-3
DOI: [10.1016/j.jss.2017.01.004](https://doi.org/10.1016/j.jss.2017.01.004)
Reference: JSS 9908



To appear in: *The Journal of Systems & Software*

Received date: 19 June 2016
Revised date: 21 December 2016
Accepted date: 12 January 2017

Please cite this article as: Jinkyu Lee, Kang G. Shin, Development and Use of a New Task Model for Cyber-Physical Systems: a Real-Time Scheduling Perspective, *The Journal of Systems & Software* (2017), doi: [10.1016/j.jss.2017.01.004](https://doi.org/10.1016/j.jss.2017.01.004)

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Highlights

- We propose a new fault-tolerant periodic CPS (Cyber-Physical Systems) task model.
- The new model addresses both efficiency and stability of CPS.
- We develop scheduling mechanism and its analysis for the new task model.
- The proposed scheduling mechanism and its analysis generalize existing ones.

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