

Accepted Manuscript

A Process Algebraic Approach to the Schedulability Analysis and Workload Abstraction of Hierarchical Real-Time Systems

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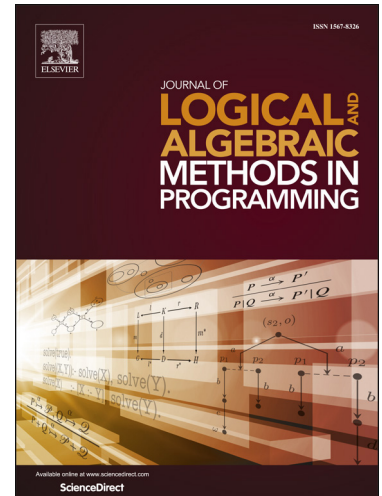
PII: S2352-2208(17)30133-5
DOI: <http://dx.doi.org/10.1016/j.jlamp.2017.07.001>
Reference: JLAMP 184

To appear in: *Journal of Logical and Algebraic Methods in Programming*

Received date: 8 January 2016
Revised date: 28 June 2017
Accepted date: 7 July 2017

Please cite this article in press as: J. Park et al., A Process Algebraic Approach to the Schedulability Analysis and Workload Abstraction of Hierarchical Real-Time Systems, *J. Log. Algebraic Methods Program.* (2017), <http://dx.doi.org/10.1016/j.jlamp.2017.07.001>

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Highlights

- ACSR's conservative extension is proposed for hierarchical real-time systems (HRTS).
- The schedulability relation between supply/demand processes is the main extension.
- The exact schedulability condition for HRTS is stated in the extended ACSR framework.
- The schedulability analysis and workload abstraction can be done by the tool support.

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