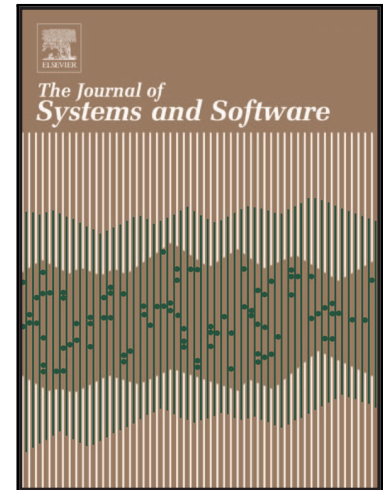


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Development and Use of a New Task Model for Cyber-Physical Systems: a Real-Time Scheduling Perspective

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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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