DESCRIPTION

*The Journal of Systems and Software* publishes papers covering all aspects of **software engineering** and related hardware-software-*systems issues*. All articles should include a validation of the idea presented, e.g. through case studies, experiments, or systematic comparisons with other approaches already in practice. Topics of interest include, but are not limited to:

- Methods and tools for, and empirical studies on, software requirements, design, architecture, verification and validation, maintenance and evolution
- Agile, model-driven, service-oriented, open source and global software development
- Approaches for mobile, multiprocessing, real-time, distributed, cloud-based, dependable and virtualized systems
- Human factors and management concerns of software development
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The journal welcomes state-of-the-art surveys and reports of practical experience for all of these topics.

*Stories from the Front* is exclusively focused on work that increases knowledge transfer from industry to research. It accepts: (1) experience reports, showing what actually happens in practice (contrasted to theory), illustrating the challenges (and pain) that practitioners face, detailing how research results fair in realistic settings, and presenting lessons learned; (2) problem descriptions with significant details on the context, underlying causes and explicit symptoms of the problem, the technical and organizational impact of the problem, as well as relevant research questions for researchers to investigate. Submissions to this track should include at least one co-author from industry and be within scope of the journal’s above topics of interest. In addition, submissions will be evaluated through industry-appropriate criteria for their merit in reporting useful industrial experience; not in terms of academic novelty of research results.

*Controversy corner*

The goal of the *Controversy corner* is both to present information and to stimulate thought and discussion. Topics chosen for this coverage are not just traditional formal discussions of research work; they also contain ideas at the fringes of the field's "conventional wisdom". Articles in this category will succeed only to the extent that they stimulate not just thought, but action.
New Ideas and Trends Papers

New ideas, especially those related to new research trends, emerge quickly. To accommodate timely dissemination thereof, JSS introduces the New Ideas and Trends Paper (NITP). NITPs should focus on the systems/software engineering aspects of new emerging areas, including: the internet of things, big data, cloud computing, software ecosystems, cyber-physical systems, green/sustainable systems, continuous software engineering, crowdsourcing, and the like. We distinguish two types of NITPs:

A short paper that discusses a single contribution to a specific new trend or a new idea. A long paper that provides a survey of a specific trend, as well as a (possibly speculative) outline of a solution. We anticipate revisiting specific new trends periodically, for instance through reflection or progress reports.

New Ideas and Trend Papers warrant speedy publication.

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To submit a proposal for a special issue, please contact the Special Issues Editor Prof. W.K. Chan

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**New Trends and Ideas Papers**

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