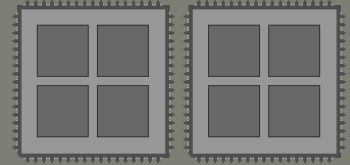# SEPS 2015

The second workshop on Software Engineering for Parallel Systems
Workshop held in conjunction with SPLASH 2015
Pittsburgh, Pennsylvania, United States

http://2015.splashcon.org/track/seps-2015   October 27, 2015

Important Dates

Submissions Due   Sep 13, 2015
Author Notification   Sep 25, 2015

Workshop Organizers

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University of Vienna, Austria

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Lakehead University, Canada

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Theme

The increased complexity of parallel applications on modern parallel platforms (e.g. multicore/manycore, distributed or hybrid) requires more insight into development processes, and necessitates the use of advanced methods and techniques supporting developers in creating parallel applications or parallelizing and reengineering sequential legacy applications. We aim to advance the state of the art in different phases of parallel software development, covering software engineering aspects such as requirements engineering and software specification; design and implementation; program analysis, profiling and tuning; testing and debugging.

Both authors and attendees can discover new ideas and directions to solve software engineering issues for parallel programming. Specific topics of interest include, but are not limited to:

- Process models for parallel software development
- Requirement engineering of parallel software
- Design and build of parallel programs
- Parallel design patterns
- Parallel software architectures
- Modeling techniques for parallel software
- Parallel programming models and paradigms
- Profiling and program analysis
- Dynamic and static analysis
- Refactoring and reengineering for parallelism
- Performance tuning and auto-tuning
- Energy-efficient parallel computing
- Testing and debugging of parallel applications
- Tools and environments for parallel software development
- Case studies and experience reports

Submission Details

The workshop welcomes two types of submissions:

- Original, unpublished regular papers (10 pages) on current research
- Industrial papers and tool presentations (short papers, 4 pages)

Papers submitted to SEPS 2015 must not have been published or simultaneously submitted anywhere else. Accepted papers will be published as formal proceedings in the ACM Digital Library. Contributions should be submitted electronically in PDF format via EasyChair and must follow the SIGPLAN proceedings style.

Submission link: https://easychair.org/conferences/?conf=seps2015

Keynote

Prof. Gul Agha, University of Illinois, USA