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IMPORTANT DATES

Submission of regular papers: ~~Sept. 11, 2015~~ Sept. 21, 2015

Submission of SRC abstracts: ~~Sept. 11, 2015~~ Sept. 21, 2015

Notification: Nov. 13, 2015

Final version due: Dec. 11, 2015

Symposium: Apr. 4-8, 2016

AIMS AND SCOPE

The **Multicore Software Engineering, Performance, Applications, and Tools (MUSEPAT)** track is part of the **31st ACM/SIGAPP Symposium on Applied Computing (SAC 2016)**. For the past thirty years, SAC has been a primary gathering forum for applied computer scientists, computer engineers, software engineers, and application developers from around the world.

The SAC-MUSEPAT track addresses development challenges in multicore parallel systems. It brings together software engineering researchers, applied computer scientists, computer engineers and application developers. Multicore challenges covered at MUSEPAT include specification, design, programming models, programming techniques, testing, analysis, debugging and applications. The conference track addresses parallelism in a broad range of contexts: manycore CPUs and GPUs, clusters, distributed systems, mobile devices, client-servers and desktops.

TOPICS OF INTEREST

- Software engineering for multicore (CPU or GPU) and heterogeneous systems
- Specification and modeling of multicore systems
- Programming models, languages, compiler techniques and development tools for multicore
- Parallel and distributed testing and debugging including noise-based testing, cloud testing
- Evolving sequential software to leverage multicore and manycore hardware
- Performance and optimization of multicore software Domain- and platform-specific multicore software issues (e.g., issues in scientific computing)
- Construction and validation challenges of specific modeling paradigm such as mapReduce and openMP

SUBMISSION AND PUBLICATION

Two kinds of papers can be submitted to the conference:

- *Regular research papers:* at most 6 pages (+ 2 pages at an additional cost)
- *Student Research Competition (SRC) research abstracts:* at most 2 pages

All papers are to be submitted in the ACM Proceedings format and accepted papers will be published in the SAC 2016 proceedings and the ACM Digital Library. For further submission details please visit http://faculty.uoit.ca/bradbury/sac-musepat2016/.