

CALL FOR PAPERS — PEPM'12

ACM SIGPLAN 2012 Workshop on Partial Evaluation and Program Manipulation

Philadelphia, January 23–24, 2012

(Affiliated with POPL'12)



Program Co-Chairs:

Oleg Kiselyov
(Monterey, CA, US)
Simon Thompson
(University of Kent, UK)

Program Committee Members:

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Eric Van Wyk
(University of Minnesota, US)
Kwangkeun Yi
(Seoul National University, KR)

Topics (Non-Exhaustive List):

Program analysis and transformation
Model-driven development
Partial evaluation, supercompilation
Meta-programming, Staged computation
Domain-specific languages
Generic programming
Refactoring, Slicing
Inductive programming, Sketching
Fusion, Inversion, Adaptation
Abstract interpretation
Type systems
Automated testing
Applications of the above
Real-world case studies, Tools

Aims and Scope: The PEPM Symposium/Workshop series aims to bring together researchers and practitioners working in the broad area of program transformation, which spans from refactoring, partial evaluation, supercompilation, fusion and other metaprogramming to model-driven development, program analyses including termination, inductive programming, program generation and applications of machine learning and probabilistic search. PEPM focuses on techniques, supporting theory, tools, and applications of the analysis and manipulation of programs. Each technique or tool of program manipulation should have a clear, although perhaps informal, statement of desired properties, along with an argument how these properties could be achieved.

To maintain the dynamic and interactive nature of PEPM, we will continue the category of 'short papers' for tool demonstrations and for presentations of exciting if not fully polished research, and of interesting academic, industrial and open-source applications that are new or unfamiliar.

Invited Speakers:

Markus Püschel (ETH Zürich, Switzerland)
Martin Berger (University of Sussex, UK)

Proceedings: All accepted papers, short papers included, will appear in formal proceedings published by ACM Press. In addition to printed proceedings, accepted papers will be included in the ACM Digital Library. Selected papers may later be invited for a journal special issue dedicated to PEPM'12.

Submission Guidelines: Authors are strongly encouraged to consult the advice for authoring research papers and tool papers before submitting. The PC Chairs welcome any inquiries about the authoring advice.

Regular research papers must not exceed 10 pages in ACM Proceedings style. Short papers are up to 4 pages in ACM Proceedings style. Authors of tool demonstration proposals are expected to present a live demonstration of the described tool at the workshop (tool papers should include an additional appendix of up to 6 extra pages giving the outline, screenshots, examples, etc. to indicate the content of the proposed live demo at the workshop).

Papers should be submitted electronically via EasyChair.

Important Dates:

Paper submission October 10, 2011
Author notification November 8, 2011

Web Site:

<http://www.program-transformation.org/PEPM12/>