

CALL FOR PAPERS — PEPM'10

ACM SIGPLAN 2010 Workshop on Partial Evaluation and Program Manipulation

Madrid, January 18–19, 2010

(Affiliated with POPL'10)



Program Co-Chairs:

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Program Committee Members:

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João Saraiva
(Universidade do Minho, PT)
Ganesh Sittampalam
(Credit Suisse, UK)
Fausto Spoto
(Università di Verona, IT)
Harald Søndergaard
(University of Melbourne, AU)
Walid Taha
(Rice University, US)

Topics (Non-Exhaustive List):

Program analysis and transformation
Model-driven development
Partial evaluation
Meta-programming
Staged computation
Domain-specific languages
Generic programming
Refactoring, Slicing
Aspect weaving
Program synthesis
Abstract interpretation
Type systems
Automated testing
Applications of the above

Aims and Scope: PEPM focuses on techniques, theories, tools, and applications of analysis, transformation, and generation of programs. The 2010 workshop will be based on a broad interpretation of semantics-based program manipulation in a continued effort to expand the scope significantly beyond the traditionally covered areas of partial evaluation and specialization and include applications of program transformations such as refactoring tools, and implementation techniques such as rule-based systems. In addition, it covers manipulation and transformations of program and system representations such as structural and semantic models that occur in the context of model-driven development. In order to reach out to practitioners, there is a separate category of tool demonstration papers. We encourage papers that break new ground including descriptions of how program/model manipulation tools can be integrated into realistic software development processes, descriptions of robust tools capable of effectively handling realistic applications, and new areas of application such as rapidly evolving systems, distributed and web-based programming including middleware manipulation, model-driven development, and on-the-fly program adaptation driven by run-time or statistical analysis.

Invited Speakers:

Lennart Augustsson (Standard Chartered Bank, UK)
Jeremy Siek (University of Colorado at Boulder, US)

Proceedings: There will be 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 on be invited for a journal special issue dedicated to PEPM'10.

Submission Guidelines: Regular research papers must not exceed 10 pages in ACM Proceedings style. Tool demonstration papers must not exceed 4 pages in ACM Proceedings style, and authors will be 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 the workshop web site. Authors using \LaTeX to prepare their submissions should use the new improved SIGPLAN proceedings style (<http://www.sigplan.org/authorInformation.htm>).

Important Dates:

Abstract submission (requested) October 1, 2009
Paper submission (definite) October 6, 2009
Author notification October 29, 2009
Camera-ready papers November 9, 2009

Web Site:

<http://www.program-transformation.org/PEPM10/>