

# 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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### 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:** PEPM brings together researchers and practitioners from the areas of program manipulation, partial evaluation, and program generation. It focuses on techniques, theories, tools, and applications of analysis and manipulation of programs.

**Scope:** The 2010 PEPM workshop will be based on a broad interpretation of semantics-based program manipulation in a continued effort to expand the scope of PEPM significantly beyond the traditionally covered areas of partial evaluation and specialization and include practical applications of program transformations such as refactoring tools, and practical implementation techniques such as rule-based transformation 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 especially 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.

**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/>