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ACM SIGPLAN Symposium on Partial
Evaluation and Semantics-Based
Program Manipulation (PEPM'00)



Proceedings of the

**2000 ACM SIGPLAN
Workshop on
Partial Evaluation
and Semantics-Based Program Manipulation
(PEPM'00)**

Boston, Massachusetts
January 22-23, 2000

Sponsored by the

Association for Computing Machinery

Special Interest Group on Programming Languages
(SIGPLAN)

Contents and Schedule

Saturday, January 22

Invited Talk: 9:00-10:00

- 1 ***Static Analysis of Large Programs: Some Experiences*** 1
Manuvir Das (Microsoft Research)

Session I: 10:30-12:00

- 2 ***Towards Partially Evaluating Reflection in Java*** 2
Mathias Braux and Jacques Noyé (École des Mines de Nantes)
- 3 ***Online-and-Offline Partial Evaluation: A Mixed Approach*** 12
Eijiro Sumii and Naoki Kobayashi (The University of Tokyo)
- 4 ***The Second Futamura Projection for Type-Directed Partial Evaluation*** 22
Bernd Grobauer (BRICS, University of Aarhus) and Zhe Yang (New York University)

Invited Talk: 1:30-2:30

- 5 ***On the Logical Foundations of Staged Computation*** 33
Frank Pfenning (Carnegie Mellon University)

Session II: 3:00-4:00

- 6 ***A Sound Reduction Semantics for Untyped CBN Multi-Stage Computation. Or, the Theory of MetaML is Non-trivial*** 34
Walid Taha (Chalmers University of Technology)
- 7 ***Using Regular Approximations for Generalisation During Partial Evaluation*** 44
John P. Gallagher and Julio C. Peralta (University of Bristol)

Session III: 4:30-6:00

- 8 ***Non Pair-Sharing and Freeness Analysis through Linear Refinement*** 52
Giorgio Levi and Fausto Spoto (Università di Pisa)
- 9 ***Calculating Sized Types*** 62
Wei-Ngan Chin and Siau-Cheng Khoo (National University of Singapore)
- 10 ***From Recursion to Iteration: What are the Optimizations?*** 73
Annie Liu and Scott Stoller (Indiana University)

Sunday, January 23

Invited talk: 9:00-10:00

- 11 ***Operating System Specialization: Experiences, Opportunities and Challenges*** 83
Jonathan Walpole (Oregon Graduate Institute)

Session IV: 10:30-12:00

- 12 ***Type-based useless variable elimination*** 84
Naoki Kobayashi (The University of Tokyo)
- 13 ***Program Analysis with Partial Transfer Functions*** 94
Brian R. Murphy and Monica S. Lam (Stanford University)
- 14 ***Symbolic Pointer Analysis for Detecting Memory Leaks*** 104
Bernhard Scholz (University of Vienna), Johann Blieberger (Technical University of Vienna), and Thomas Fahringer (University of Vienna)