

Table of Contents

Invited Talks

Implementing Closed Domain-Specific Languages	1
<i>Richard B. Kieburtz (Oregon Graduate Institute)</i>	
Refinements and Product Line Architectures	3
<i>Don Batory (University of Texas at Austin)</i>	
Reasoning about Staged Computation	5
<i>Frank Pfenning (Carnegie Mellon University)</i>	
Specialization of Systems Programs: Lessons and Perspectives	7
<i>Gilles Muller (IRISA/INRIA)</i>	

Technical Papers

Compiling Embedded Languages	9
<i>Conal Elliott, Sigbjørn Finne (Microsoft Research), and Oege de Moor (Oxford University)</i>	
Lightweight and Generative Components II: Binary-Level Components	28
<i>Sam Kamin, Miranda Callahan, and Lars Clausen (University of Illinois at Urbana-Champaign)</i>	
Fragmental Specialization	51
<i>Simon Helsen and Peter Thiemann (University of Freiburg)</i>	
A New Termination Approach for Specialization	72
<i>Litong Song and Yoshihiko Futamura (Waseda University)</i>	
Multi-stage Imperative Languages: A Conservative Extension Result	92
<i>Cristiano Calcagno and Eugenio Moggi (Università di Genova)</i>	
Specification and Correctness of Lambda Lifting	108
<i>Adam Fischbach and John Hannan (Penn State University)</i>	
On Jones-Optimal Specialization for Strongly Typed Languages	129
<i>Henning Makholm (DIKU, University of Copenhagen)</i>	

Position Papers

Pragmatic Aspects of Reusable Program Generators	149
<i>Norman Ramsey (Harvard University)</i>	

Type-Based Useless-Code Elimination for Functional Programs	172
<i>Stefano Berardi, Marrio Coppo, Ferruccio Damiani (Università di Torino), and Paola Giannini (Università del Piemonte Orientale)</i>	
Code Generators for Automatic Tuning of Numerical Kernels: Experiences with FFTW	190
<i>Richard Vuduc and James W. Demmel (University of California at Berkeley)</i>	
Generating Data Analysis Programs from Statistical Models	212
<i>Bernd Fischer, Johann Schumann, and Tom Pressburger (NASA Ames)</i>	
Author Index	231