Proceedings of the 13th International Workshop on Implementation, Compilation, Optimization of Object-Oriented Languages, Programs and Systems

Co-located with the European Conference on Object-Oriented Programming (July 17, Amsterdam, Netherlands)

Organizers

Tim Felgentreff  
Oracle Labs Potsdam, Germany

Olivier Zendra  
INRIA / LORIA, France

With special thanks to all of our Program Committee members: Nada Amin, Clément Béra, Shigeru Chiba, Benoit Daloze, Görel Hedin, Eric Jul, Stefan Marr, Eliot Miranda, Sarah Mount, and Tobias Pape.

The ICOOOLPS workshop series brings together researchers and practitioners working in the field of language implementation and optimization. The goal of the workshop is to discuss emerging problems and research directions as well as new solutions to classic performance challenges.
Table of Contents

1. Assessing primitives performance on multi-stage execution  
   by Sophie Kaleba, Clément Béra, and Stéphane Ducasse  
   pages 1–10

2. Maintaining Canonical Form After Edge Deletion  
   by Eric Fritz.  
   pages 11–22

3. Extending SHAPES for SIMD Architectures - An approach to native support for Struct of Arrays in languages  
   by Alexandros Tasos, Juliana Franco, Tobias Wrigstad, Sophia Drossopoulou, and Susan Eisenbach  
   pages 23–27

   by Fabio Niephaus, Tim Felgentreff, and Robert Hirschfeld  
   pages 28–33

5. Shared Memory Implementations of Protocol Programming Languages, Data-Race-Free  
   by Micha Hergarden and Sung-Shik Jongmans.  
   pages 34–37
About the review process

All authors were asked to submit a paper for presentation at the workshop. Every paper was reviewed by at least three reviewers, who assessed the paper both for its quality to be presented at the workshop and inclusion in the post-workshop proceedings.

Number of papers initially submitted: 6
Number of papers accepted: 5