

# Preface

This volume contains the proceedings of the 13th International Symposium on Functional and Logic Programming – FLOPS 2016 – held in Kochi, Japan, March 4–6, 2016.

FLOPS brings together practitioners, researchers, and implementers of declarative programming, to discuss mutually interesting results and common problems: theoretical advances, their implementations in language systems and tools, and applications of these systems in practice. The scope includes all aspects of the design, semantics, theory, applications, implementations, and teaching of declarative programming. FLOPS specifically aims to promote cross-fertilization between theory and practice and among different styles of declarative programming.

FLOPS 2016 put a particular stress on the connections between theory and practice. This stress was reflected in the composition of the Program Committee, in the call for submissions and, ultimately, in the program of the symposium.

The call for papers attracted 36 submissions, of which the Program Committee, after careful and thorough discussions, accepted 14. The accepted papers cover not just functional and logic programming but also program transformation and re-writing, and extracting programs from proofs of their correctness. The invited speakers, Kazunori Ueda and Atze Dijkstra, reflected on the lessons of two projects (one of which was a national, Japanese project), with declarative programming at their center. In addition to the invited talks and contributed papers, the symposium program included, for the first time, tutorials and a poster session. The tutorials on “Attribute Grammars”, “Agda”, and “Programming in Picat” were presented, respectively, by Atze Dijkstra, Andreas Abel, and Neng-Fa Zhou. These tutorials were designed to complement the invited talk with in-depth expositions.

This year we initiated an award for the best paper submitted to the symposium. We were delighted to announce that the award for FLOPS 2016 went to Arthur Blot, Pierre-Evariste Dagand, and Julia Lawall for their article entitled “From Sets to Bits in Coq.”

Putting together FLOPS 2016 has been a team effort. First of all, we would like to thank the authors of the submitted papers and the presenters of the invited talks and the tutorials. Without the Program Committee (PC) we would have had no program either, and we are very grateful to the PC members for their hard work. Supporting the PC were a number of additional reviewers, and we and the PC would like to acknowledge their contribution. The reviews were unusually detailed and helpful. An author of one rejected paper wrote to us, not to complain but to praise the reviews of his submission. We are greatly indebted to the general chair, Yuki Yoshi Kameyama for his advice, encouragement, and support throughout the process and taking on many administrative chores. The local chair, Kiminori Matsuzaki, and the local Organizing Committee were invaluable in setting up the conference and making sure everything ran smoothly.

Finally, we would like to thank our sponsor, the Japan Society for Software Science and Technology (JSSST) SIGPPL, for their continuing support. We acknowledge the cooperation of ACM SIGPLAN, the Asian Association for Foundation of Software (AAFS), and the Association for Logic Programming (ALP).

January 2016

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Functional and Logic Programming

13th International Symposium, FLOPS 2016, Kochi,

Japan, March 4-6, 2016, Proceedings

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2016, XII, 253 p. 55 illus. in color., Softcover

ISBN: 978-3-319-29603-6