

Lecture Notes in Computer Science

Edited by G. Goos, J. Hartmanis and J. van Leeuwen

1473

Xavier Leroy Atsushi Ohori (Eds.)

Types in Compilation

Second International Workshop, TIC '98

Kyoto, Japan, March 25-27, 1998

Proceedings



Springer

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Cataloging-in-Publication data applied for

Die Deutsche Bibliothek - CIP-Einheitsaufnahme

Types in compilation : second international workshop ; proceedings /
TIC '98, Kyoto, Japan, March 25 - 27, 1998. Xavier Leroy ; Atsushi
Ohori (ed.). - Berlin ; Heidelberg ; New York ; Barcelona ; Budapest
; Hong Kong ; London ; Milan ; Paris ; Singapore ; Tokyo : Springer,
1998

(Lecture notes in computer science ; Vol. 1473)
ISBN 3-540-64925-5

CR Subject Classification (1991): F.3, D.2, D.3, D.4

ISSN 0302-9743

ISBN 3-540-64925-5 Springer-Verlag Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author
SPIN 10638677 06/3142 - 5 4 3 2 1 0 Printed on acid-free paper

Preface

This volume constitutes the proceedings of the second International Workshop on Types in Compilation (TIC'98), held at the Research Institute for Mathematical Sciences, Kyoto University, Japan, March 25–27, 1998.

Types (in the broadest sense of the word) play a central role in many of the advanced compilation techniques developed for modern programming languages. Standard or nonstandard type systems and type analyses have been found to be useful for optimizing dynamic method dispatch in object-oriented languages, for reducing run-time tests in dynamically typed languages, for guiding data representations and code generation, for program analysis and transformation, for compiler verification and debugging, and for establishing safety properties of distributed or mobile code. The Types in Compilation workshops bring together researchers to share new ideas and results in this area.

For TIC'98, the program committee received seventeen submissions in response to the call for papers, and selected thirteen papers among those. Each submission received at least four reviews, done by the program committee members or their subreferees (their names appear below). The program committee also invited five additional speakers to complement the presentations of the regular papers.

The 1998 Types in Compilation workshop was sponsored by the Research Institute for Mathematical Sciences, Kyoto University, and organized in cooperation with the Association of Computing Machinery Special Interest Group in Programming Languages (ACM SIGPLAN) and the Japan Society for Software Science and Technology Special Interest Group in Programming (JSSST SIG Programming). Their support is gratefully acknowledged.

June 1998

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