

Masami Hagiya John C. Mitchell (Eds.)

# Theoretical Aspects of Computer Software

International Symposium TACS '94  
Sendai, Japan, April 19-22, 1994  
Proceedings

Springer-Verlag

Berlin Heidelberg New York  
London Paris Tokyo  
Hong Kong Barcelona  
Budapest

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CR Subject Classification (1991): F.3, D.1-3, F.1, F.4, I.2.3

ISBN 3-540-57887-0 Springer-Verlag Berlin Heidelberg New York  
ISBN 0-387-57887-0 Springer-Verlag New York Berlin Heidelberg

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Printed in Germany

Typesetting: Camera-ready by author  
SPIN: 10132087 45/3140-543210 - Printed on acid-free paper

# Foreword

This is the Proceedings of the Second International Symposium on Theoretical Aspects of Computer Software (TACS) held at Tohoku University, Sendai, Japan in April, 1994. The TACS'94 symposium invites and encourages international participation of computer scientists interested in theoretical aspects of programming, programming languages and systems, and parallel and distributed computation. The successful first TACS symposium was held at Tohoku University in September, 1991. We gratefully acknowledge the generous sponsorship provided by Tohoku University, and we also thank the following organizations for their cooperation:

Information Processing Society of Japan,  
Japan Society for Software Science and Technology,  
Association for Symbolic Logic,  
Association for Computing Machinery-SIGACT,  
IEEE TC on Mathematical Foundations of Computing.

In conjunction with the TACS'94 technical program of invited talks and contributed papers we have two TACS Special Open Lectures by John C. Mitchell and Albert R. Meyer. These lectures are open for non-registrants of TACS'94; we thank the speakers for their contributions to this Proceedings. Special thanks go to the Program Co-Chairs, Masami Hagiya and John Mitchell, the Conference Co-Chair, Albert R. Meyer, and the Conference Secretary, Masahiko Ohtomo, for their invaluable efforts and support from the planning stage of TACS'94.

Takayasu Ito  
Conference Co-Chair and Local Organizer  
TACS'94

# Preface

The thirty-four contributed papers in this volume were selected by the program committee from a total of 68 submissions. Selections were made on the basis of originality, quality and relevance. Each submission was made available to every member of the program committee, with some members designated as primary readers. In some cases, members of the committee chose to consult additional reviewers (listed below). Although all TACS submissions were read carefully, conference selection is not a formal refereeing process. Many of the papers are preliminary reports of ongoing research and it is anticipated that authors will publish more polished, complete versions in scientific journals.

The invited papers were selected by the conference co-chairs and program co-chairs.

We would like to thank the members of the program committee for their efforts in reading, evaluating and discussing the excellent submissions received this year. Special thanks to Prof. Takayasu Ito for his untiring effort in all aspects of planning this conference.

Masami Hagiya  
John Mitchell  
Program Co-Chairs  
TACS'94

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