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INTERNATIONAL SYMPOSIA ON THEORETICAL ASPECTS OF COMPUTER SCIENCE: TACS '97, TACS '94, AND TACS '91

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Tohoku University, Sendai, Japan, September 1997, April 1994, and September 1991

The International Symposium on Theoretical Aspects of Computer Software focuses on theoretical foundations of computer programming, and theoretical aspects of the design, analysis and implementation of programming languages and systems. The major symposium topics are on Logic, proof, specification and semantics of programs and languages; Theories and models of concurrent, parallel and distributed computation; Theory-based systems for specifying, synthesizing, transforming, testing, and verifying software. All TACS symposia were held at Aoba Memorial Building, Tohoku University, Sendai, Japan. The following organizations collaborated for the TACS symposia: Information Processing Society of Japan, Japan Society for Software Science and Technology, Association for Symbolic Logic, Association for Computing Machinery - SIGACT, and IEEE Technical Committee on Mathematical Foundations of Computer Science. The proceedings of the TACS symposia were published as volumes of *Lecture Notes in Computer Science*, Springer-Verlag.

TACS '97: September 23–26, 1997; Symposium Chair: Takayasu Ito (Tohoku University); Advisory Board: Rodney M. Burstall, Robert L. Constable, Albert R. Meyer (Chair), John Mitchell, Gordon Plotkin, Masahiko Sato, and Akinori Yonezawa; Program Committee: Martin Abadi (Co-Chair), Mariangiola Dezani, Masami Hagiya, Susumu Hayashi, Thomas A. Henzinger, Takayasu Ito (Co-Chair), Neil Jones, Naoki Kobayasni, Jean-Jacques Levy, Peter O'Hearn, Atsushi Ohori, Luke Ong, Frank Pfenning, Benjamin Pierce, Natarajan Shankar, Val Tannen, and Fritz Vaandrager.

There were six invited talks during the main conference on September 24–26 and the TACS Open Lecture on September 23. There were 20 contributed talks and 115 participants. Following are the titles of the invited talks;

Martin Abadi, *Principles and rules for security protocols* (TACS Open Lecture).
Robin Milner, *The graphical presentation of action calculi*.
Atsushi Ohori, *Type system for specializing polymorphism*.
Jean-Jacques Levy, *Some results in the join-calculus*.
Carolyn L. Talcott, *Composable semantic models for actor theories*.
Robert Harper, *Types in compilation*.
Gerard Huet, *Rational transducers as regular Bohm trees*.

In addition to the invited talks and contributed talks there were two evening sessions, one on mechanized reasoning and a panel on concurrency theory and the Web. Also, during the symposium there were two demonstrations: one on the Join-Calculus and one on the Linear Logic Sequent Prover.

The TACS '97 proceedings, containing six invited talks, 20 contributed talks, and the Open

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Lecture, was published as *Lecture Notes in Computer Science*, Volume 1281, Springer-Verlag.

TACS '94: April 18–22, 1994; Symposium Co-Chairs: Takayasu Ito (Tohoku University) and Albert R. Meyer (MIT); Program Committee: Martin Abadi, Robert Constable, Rob van Glabbeck, Carl Gunter, Masami Hagiya (Co-Chair), Susumu Hayashi, Takayasu Ito, Paris Kanellakis, Jean-Louis Lassez, Albert Meyer, John Mitchell (Co-Chair), Atsushi Ohori, Masahiko Sato, and Masako Takahashi.

There were seven invited talks, 34 contributed talks, and 125 participants. The invited speakers were Samson Abramsky, Paris Kanellakis, Matthias Felleisen, Akinori Yonezawa, Masako Takahashi, Moshe Vardi, and Zohar Manna. TACS Open Lectures were given by John Mitchell on April 18 and by Albert Meyer on April 22. In addition, there were two evening sessions; one on type theory and one on concurrency theory.

The TACS '94 proceedings, containing seven invited talks, 34 contributed talks, and two Open Lectures, was published as *Lecture Notes in Computer Science*, Volume 789, Springer-Verlag.

TACS '91: September 24–27, 1991; Symposium Co-Chairs: Takayasu Ito (Tohoku University) and Albert R. Meyer (MIT); Program Committee: Robert Constable, Masami Hagiya, Susumu Hayashi, Takayasu Ito (Co-Chair), Jean-Louis Lassez, Albert R. Meyer (Co-Chair), Gordon Plotkin, Amir Pnueli, Masahiko Sato, and Dana Scott.

There were ten invited talks, 28 contributed talks, and 130 participants. The invited speakers were Gordon Plotkin, Masahiko Sato, Albert R. Meyer, Robert L. Constable, Amir Pnueli, Kazuhiro Fuchi, Masami Hagiya, Jean-Louis Lassez, Susumu Hayashi, and Dana Scott. There were two evening sessions on type theory and concurrency, and two demonstrations on proof systems. Rodney Burstall of Edinburgh University was the Banquet speaker, and during the banquet a Festschrift volume, published on the occasion of his 60th birthday, was presented to J. A. Robinson.

The TACS '91 proceedings was published as *Lecture Notes in Computer Science*, Volume 526, Springer-Verlag.

For the Program Committee
TAKAYASU ITO