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FOURTH INTERNATIONAL SYMPOSIUM ON THEORETICAL ASPECTS OF COMPUTER SOFTWARE (TACS2001)

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Tohoku University, Sendai, Japan
October 29–31, 2001

TACS2001 is the Fourth International Symposium on Theoretical Aspects of Computer Software. It was held at Tohoku University, Sendai, Japan, on October 29–31, 2001. The symposium focused on theoretical foundations of programming and their applications, including the following topics: logic, proof, specification and semantics of programs and languages; theories and models of concurrent, parallel and distributed computation; and, theory-based systems for specifying, synthesizing, transforming, and verifying computer software.

The Symposium Chair was Takayasu Ito. The members of the Program Committee were: Zena Ariola, Cedric Fournet, Jacques Garrigue, Masami Hagiya, Robert Harper, Masahito Hasegawa, Nevin Heintze, Martin Hofmann, Zhenjiang Hu, Naoki Kobayashi (Co-Chair), Martin Odersky, Catuscia Palamidessi, Benjamin Pierce (Co-Chair), Francois Pottier, Andre Scedrov, Natarajan Shanker, Ian Stark, and Makoto Tatsuta. The Program Committee, with help of 51 additional reviewers, selected 21 papers from 59 submissions.

The TACS2001 program consisted of six invited lectures and 21 contributed papers. The proceedings of the symposium were published as ***Lecture Notes in Computer Science***, vol. 2215 (Springer, 2001). There were 105 participants, 38 from abroad and 67 from Japan.

The following invited lectures were given:

Luca Cardelli (Microsoft Research, Cambridge), *A spatial logic for concurrency*.

Alan Fekete (University of Sydney), who gave the talk on behalf of Daniel Jackson (MIT) as co-author of their paper, *Lightweight analysis of object interactions*.

Christine Paulin-Mohring (Universite Paris-Sud), *Modelisation of timed automata in coq*.

Andrew M. Pitts (University of Cambridge), *Nominal logic: a first order theory of names and binding*.

Kazunori Ueda (Waseda University), *Resource-passing concurrent programming*.

Akinori Yonezawa (University of Tokyo), *Overview of the Japanese inter-university research project on software security*.

In addition, the TACS Open Lecture was delivered at the end of the symposium by Benjamin Pierce on, *Unison: a file synchronizer and its specification*.

At the symposium banquet on October 30, the first IFIP TC2 *Manfred Paul Award* was presented to Dr. Naoki Kobayashi (Tokyo Institute of Technology). The award was established by IFIP TC2 to be given to a young researcher who has published an excellent paper in theory and practice of software. Professor Peter Bollerslev (Former President of IFIP) and Professor Armando Haeberer (IFIP TC2 Chair) attended the award ceremony, and Professor Bollerslev presented the plaque to Dr. Kobayashi.

TAKAYASU ITO, Symposium Chair

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