THE BULLETIN OF SYMBOLIC LOGIC
Volume 7, Number 2, June 2001

INTERNATIONAL CONFERENCE ON THEORETICAL COMPUTER SCIENCE (IFIP TCS2000)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Tohoku University, Sendai, Japan
August 17–19, 2000

IFIP TCS2000 is the first International Conference on Theoretical Computer Science, organized by the Technical Committee TC1 on Foundations of Computer Science, the International Federation of Information Processing (IFIP). It was held at Tohoku University, Sendai, Japan, on August 17–19, 2000. The activities of TC1 cover the entire field of theoretical computer science. Reflecting the current activities in theoretical computer science, the major topics of the conference were chosen, forming two tracks: Track (1) on Algorithms, Complexity, and Models of Computation, Track (2) on Logic, Semantics, Specification, and Verification. The IFIP TCS2000 technical program consisted of three keynote plenary invited talks, three invited speakers for each track, and eighteen contributed papers of Track (1), fourteen contributed papers of Track (2), a panel discussion, a demo session on verification tools, and two open lectures. The conference proceedings are published as a volume of ***Lecture Notes in Computer Science***, vol. 1872. The conference took place in a pleasant atmosphere with friendly interactions among the 140 participants (55 from abroad, and 85 from Japan).

The keynote plenary invited talks were:

Martin Abadi (Bell Labs, Lucent), *Reconciling two views of cryptography*.
Masami Hagiya (University of Tokyo), *Theory and construction of molecular computers*.
Madhu Sudan (MIT), *List decoding: algorithms and applications*.

The Track (1) invited talks were:

Ernst Mayr (TU München), *It is on the boundary: complexity considerations for polynomial ideals*.
Shu Tezuka (IBM Tokyo Research Lab), *Discrpancy theory and its application to finance*.
Mihalis Yannakakis (Bell Labs, Lucent), *Hierarchical state machines*.

The Track (2) invited talks were:

Naoki Kobayashi (University of Tokyo), *Type systems for concurrent processes: from deadlock-freedom to livelock-freedom, time boundedness*.
Thomas A. Henzinger (UC Berkeley), *Masaccio: a formal model for embedded components*.
Gordon D. Plotkin (University of Edinburgh), *Some recent directions in the syntax and semantics of formal languages*.

The following two open lectures were given at the end of the conference:

Jan van Leeuwen (University of Utrecht), *On the power of interactive computing*.
Peter D. Mosses (University of Aarhus), *The varieties of programming language semantics*.

1079-8986/01/0702-0008/$1.20

These invited talks and a dozen high-quality contributed papers made IFIP TCS2000 very attractive and beneficial to participants.

Professor Wilfried Brauer (TU München, and the former IFIP Vice President) delivered the banquet speech entitled: *'Intelligent Agents' and the 'Knowledge Society'* or *What about my e-gnoms and me*?, which was an interesting and stimulating speech.

The Conference Co-Chairs were Giogio Ausiello (University of Rome "La Spaienza") and Takayasu Ito (Tohoku University). The Program Committee Co-Chairs were: Track (1): Jan ven Leeuwen (University of Utrecht) and Osamu Watanabe (Tokyo Institute of Technology) and Track (2): Masami Hagiya (University of Tokyo) and Peter D. Mosses (U. Aarhus). The Steering Committee consisted of the following members: Giogrio Ausiello (University of Rome "La Sapienza"), Wilfried Brauer (TU München), Takayasu Ito (Tohoku University), Michael O. Rabin (Harvard University), John Staples (University of Queensland), and Joseph Traub (Columbia University).

The following organizations collaborated on the conference: Information Processing Society of Japan, Japan Society of Software Science and Technology, European Association of Theoretical Computer Science, Association for Symbolic Logic, Association for Computing Machinery-SIGACT. Also, Tohoku University and the Sendai Tourism and Convention Bureau provided partial support to the conference.

For the Conference Co-Chairs
TAKAYASU ITO