

## Preface

This volume contains the proceedings of APLAS 2003, the 1st Asian Symposium on Programming Languages and Systems, held in Beijing, China, November 27–29, 2003, sponsored by the Asian Association for Foundation of Software (AAFS) and Beihang University.

The symposium was devoted to foundational issues in programming languages and systems, covering (but not limited to) the following areas:

- concurrency and parallelism,
- language implementation and optimization,
- mobile computation and security,
- program analysis and verification,
- program transformation and calculation,
- programming paradigms and language design,
- programming techniques and applications,
- semantics, categorical and logical foundations,
- tools and environments, and
- type theory and type systems.

In response to the call for papers, 76 papers were submitted by authors from Australia, Austria, China, Denmark, France, India, Italy, Japan, Korea, Portugal, Singapore, Spain, Taiwan, the United Arab Emirates, the UK, and the USA. Each paper was reviewed by at least three program committee members with the help of external expert reviewers. The program committee meeting was conducted electronically from August 5 through August 15th. The competition was very tough and the deliberation was a difficult process. After careful and thorough discussion, the program committee selected 24 papers. I would like to sincerely thank all the members of the APLAS 2003 Program Committee for their excellent job, and all the external reviewers for their invaluable contribution. The submission and review process was managed using the CyberChair system.

In addition to the 24 contributed papers, the symposium also included talks by three invited speakers: Thomas A. Henzinger (University of California at Berkeley, USA), Simon Peyton Jones (Microsoft Research, UK), and Wen-tsun Wu (Academia Sinica, China). I am grateful to the three invited speakers.

Many people helped in the effort to establish this new Asian-based conference series, APLAS, as a high-quality forum to serve the worldwide programming languages community. Without their help and enthusiastic support, APLAS 2003 would not have happened. My special thanks to our general chair, Wei Li, whose initiative and efforts made the first APLAS in Beijing possible. I would like to thank Shilong Ma. In addition to his hard work as a program committee member, he helped us to solve numerous problems we encountered during our planning, and during APLAS 2003, itself. The AAFS steering committee provided advice and suggestions. I would particularly like to thank Tetsuo Ida, who provided advice and suggestions at several critical moments.

# Organization

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