Foreword

It is our pleasure to welcome you at the Seventh International Conference on Application of Concurrency to System Design (ACSD 2007), in Bratislava, Slovak Republic.

ACSD serves as a forum for disseminating theoretical results with application potential and advanced methods and tools for the design of complex concurrent systems. While there are already quite a few success stories in the field, there is still a strong need to bring theory and practice closer together. The conference aims at cross-fertilizing both theoretical and applied research, and welcomes both academic and industrial participants.

ACSD 2007 received a total of 42 regular submissions, from 18 different countries from four different continents. Each paper was reviewed by three or four members of the Program Committee; 17 submissions were accepted for presentation at the conference and publication in the proceedings.

In addition to the regular papers, the proceedings include two tool papers, one tutorial paper, and five extended abstracts. All these contributions were reviewed and selected by the Program Committee. The tool papers will be presented in short 15-minute presentations, and the accompanying tools will be demonstrated in a tool demonstration session, which will exhibit some other tools without supporting tool papers in the proceedings as well. The extended abstracts describe some ideas and work-in-progress that the Program Committee found sufficiently interesting and promising to discuss at the conference. Each extended abstract will be presented in a 15-minute presentation, thus hopefully initiating some interesting scientific discussion. The tutorial paper on Sensor and Ad Hoc Wireless Networks supports a half-day introductory tutorial, preceding the regular conference program and given by Martin Drozda. Sensor and ad hoc wireless networks pose, by their very nature, many interesting challenges from the concurrency point of view. We hope that this tutorial is the basis for more contributions from this area in future versions of ACSD.

We are also very happy to have four invited presentations, all from well-known researchers in fields where concurrency plays an important role. We thank Wil van der Aalst, Philippe Darondeau, Rishiyur Nikhil, and Lothar Thiele for accepting our invitation, and for their contributions to the proceedings. A final ingredient of the conference program is a panel discussion, which will hopefully shed some light on the challenges that research in concurrency theory is facing and the breakthroughs that are needed for its application and exploitation in practice.

We thank the Slovak University of Technology Bratislava for their support and for hosting the conference, and the organizing committee for making this conference possible. We are grateful to IEEE publishing services, especially Stephanie Kawada, for preparing the proceedings, and to the development team of the EasyChair conference management system, that was very helpful in managing the review process. We thank the authors, the members of the Program Committee and the Steering Committee, and all the reviewers for their valuable contributions to the conference and the conference program.

We wish you a very enjoyable conference. We did our best to compose an interesting, stimulating, and fun program, combining both scientific and social activities, including a boat trip on the Danube River. We hope you find the presentations, the panel, the tool demonstrations, and the proceedings useful for your work.

Twan Basten and Sandeep Shukla
Program Committee Co-Chairs

Gabriel Juhás
General Chair