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Preface

This volume contains the proceedings of FORTE 2008, 28th IFIP WG6.1 International Conference on Formal Techniques for Networked and Distributed Systems. FORTE 2008 was held at the Campus Innovation Center in Tokyo, Japan during June 10–13, 2008. FORTE denotes a series of international working conferences on formal description techniques applied to computer networks and distributed systems. The conference series started in 1981 under the name PSTV. In 1988 a second series under the name FORTE was set up. Both series were united to FORTE/PSTV in 1996. In 2001 the conference changed the name to its current form. Recent conferences of this long series were held in Berlin (2003), Madrid(2004), Taipei(2005), Paris(2006), and Tallinn(2007).

As in the previous year, FORTE 2008 was collocated with TESTCOM/FATES 2008: the 20th IFIP International Conference on Testing of Communicating Systems (TESTCOM) and the 8th International Workshop on Formal Approaches to Testing of Software (FATES). The co-location of FORTE and TESTCOM/FATES fostered the collaboration between their communities. The common spirit of both conferences was underpinned by joint opening and closing sessions, invited talks, as well as joint social events.

This year we received 44 submissions. The Program Committee finally selected 19 full papers and 1 short paper for presentation at the conference. The special focus of FORTE 2008 was on formal approaches to new areas of networked and distributed systems such as ubiquitous, grid, and mobile computing systems, and also on the application of formal techniques to service-oriented architectures as well as security issues in networked systems. Together with the invited presentation by Wolfram Schulte from Microsoft Research, USA, the 20 accepted papers formed the very strong and high-quality program of FORTE 2008. In addition, the conference included two more invited presentations on behalf of TESTCOM/FATES by Yutaka Yasuda from KDDI Corporation, Japan and Paul Baker from Motorola, UK. A tutorial day preceded the conference.

It took tremendous efforts to organize this event. We would like to thank all the contributors for the success of FORTE 2008. In particular we are grateful to the Local Organization Chair, Tomohiko Ogishi from KDDI R&D Laboratories, who handled issues related to the conference venue, social events, and registration, and Takaaki Umedu from Osaka University, who managed the conference website and paper submission system. We also owe special thanks to all members of the FORTE 2008 Steering Committee, Program Committee, and co-reviewers for their support in selecting high-quality papers. Without these contributions, these proceedings would not exist. We thank the International Communications Foundation, Support Center for Advanced Telecommunications Technology Research, Foundation, Microsoft Research, and KDDI Corporation for their financial support, and Springer for publishing the proceedings.

Last but not least, we would also like to express our sincere appreciation to The University of Electro-Communications, Osaka University, Nara Institute of Science and Technology, Verimag, Université Joseph Fourier, and to all members of the Local Organization team for their continuous support of this conference.

March 2008

Kenji Suzuki
Teruo Higashino
Keiichi Yasumoto
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