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Preface

This volume contains the papers presented at APLAS 2011, the 9th Asian Symposium on Programming Languages and Systems held during December 5–7, 2011 in Kenting, Taiwan. The symposium was sponsored by the Asian Association for Foundation of Software (AAFS), Academia Sinica (Taiwan), and National Taiwan University. We are grateful for the administrative support from the Institute of Information Science, Academia Sinica (Taiwan), and the Department of Information Management and the Yen Tjing Ling Industrial Research Institute at National Taiwan University.

APLAS is a premier forum for the discussion of a wide range of topics related to programming languages and systems. Although it is based in Asia, APLAS has been an international forum that serves the worldwide programming language community. The past APLAS symposiums were successfully held in Shanghai (2010), Seoul (2009), Bangalore (2008), Singapore (2007), Sydney (2006), Tsukuba (2005), Taipei (2004) and Beijing (2003) after three informal workshops. Proceedings of the past symposiums were published in Springer Verlag's LNCS series as volumes 6461, 5904, 5356, 4807, 4279, 3780, 3302, and 2895 respectively.

Following the initiative from the previous year, APLAS 2011 solicited submissions in two categories, *regular research papers* and *system and tool presentations*. There were 64 submissions from 22 countries (62 regular research papers and 2 system and tool presentations). Each submission was reviewed by at least 2, and on average 3.2, Program Committee members with the help of external reviewers. The Program Committee meeting was conducted electronically over a period of two weeks in August 2011. The Program Committee decided to accept 22 regular research papers (35%) and 1 system and tool presentation (50%). Among the 22 accepted papers, there was one whose initial verdict was conditional acceptance. To have their paper accepted, the authors were requested to address specific concerns raised by the Program Committee. The revised version of the paper was checked by the Program Committee, before it was finally accepted. I would like to thank all the Program Committee members for their hard work in reviewing papers, participating in online discussions, volunteering to shepherd submissions, and sometimes finding and fixing technical errors in submissions. I also want to thank all the external reviewers for their invaluable contributions.

In addition to contributed papers, this volume contains the full paper or the extended abstracts of of four distinguished invited speakers: Nikolaj Bjørner (Microsoft Research Redmond), Ranjit Jhala (University of California, San Diego), Peter O'Hearn (Queen Mary University of London) and Sriram Rajamani (Microsoft Research India). I would like to thank all of these speakers for accepting our invitation and contributing papers or abstracts.

The General Chair, Tyng-Ruey Chuang, helped me so much from the very beginning while I prepared the technical program of APLAS 2011. I am truly grateful for his support and guidance, and also for making our symposium in Kenting possible and enjoyable. I would like to thank Shin-Cheng Mu for local arrangements, and Yih-Kuen Tsay for serving as the Finance Chair. Noam Rinetzky was an excellent Publicity Chair for APLAS 2011, who had several creative ideas for increasing the awareness of the conference, and Mike Dodds worked very hard to organize the poster session. I greatly appreciate their help and efforts. EasyChair made the handling of submissions and the productions of the proceedings extremely smooth and efficient. Finally, I would like to thank the members of the AAFS Executive Committee for their advice. In particular, Kazunori Ueda, the Program Chair of APLAS 2010, gave me invaluable tips and suggestions, without which I would not have been able to prepare the technical program and the proceedings of APLAS 2011.

September 2011   Hongseok Yang

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