

Preface

This volume contains the proceedings of the 13th Asian Symposium on Programming Languages and Systems (APLAS 2015), held in Pohang, Korea, from November 30 to December 2, 2015. APLAS aims to stimulate programming language research by providing a forum for the presentation of latest results and the exchange of ideas in programming languages and systems. APLAS is based in Asia, but is an international forum that serves the worldwide programming language community. Past APLAS symposiums were successfully held in Singapore (2014), Melbourne (2013), Kyoto (2012), Kenting (2011), Shanghai (2010), Seoul (2009), Bangalore (2008), Singapore (2007), Sydney (2006), Tsukuba (2005), Taipei (2004), and Beijing (2003) after three informal workshops.

APLAS 2015 solicited submissions in two categories, regular research papers and system and tool presentations. The topics covered in the conference include, but are not limited to, semantics, logics, and foundational theory; design of languages and foundational calculi; domain-specific languages; type systems; compilers, interpreters, and abstract machines; program derivation, synthesis, and transformation; program analysis, constraints, verification, and model-checking; software security; concurrency and parallelism; and tools for programming, verification, and implementation.

This year 74 papers were submitted to APLAS. Each submission was reviewed by three or more Program Committee members with the help of external reviewers. After thoroughly evaluating the relevance and quality of each paper, the Program Committee decided to accept 24 regular research papers and one system and tool presentation. This year's program also continues the APLAS tradition of invited talks by distinguished researchers: Peter O'Hearn (Facebook), Sukyoung Ryu (KAIST), Eran Yahav (Technion), and Hongseok Yang (University of Oxford).

This program would not have been possible without the unstinting efforts of several people, whom we would like to thank. First, the Program Committee and additional reviewers for the hard work put in toward ensuring the high quality of the proceedings. Our thanks also go to the Asian Association for Foundation of Software (AAFS), founded by Asian researchers in cooperation with many researchers from Europe and the USA, for sponsoring and supporting APLAS. We would like to warmly thank the Steering Committee in general and Gyesik Lee and Hyeonseung Im for their support in the local organization and for organizing the poster session. Finally, we are grateful to Andrei Voronkov whose EasyChair system eased the processes of submission, paper selection, and proceedings compilation.

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