

# Preface

This volume contains the papers presented at 19th International Symposium on Practical Aspects of Declarative Languages (PADL 2017) held January 16–17, 2017, in Paris, France. The symposium was colocated with the 44th ACM SIGPLAN Symposium on Principles of Programming Languages (POPL 2017).

PADL is a forum for researchers and practitioners to present original work emphasizing novel applications and implementation techniques for all forms of declarative languages, including but not limited to logic, constraint, and functional languages. Declarative languages have been successfully applied to many different real-world situations, ranging from database management to active networks, software engineering, and decision support systems. New developments in theory and implementation have opened up new application areas. At the same time, applications of declarative languages to novel problems raise numerous interesting research questions. Examples include designing for scalability, language extensions for application deployment, and programming environments. We continue to see that attention to applications and practical challenges simultaneously benefits from research progress and helps steer attention to timely challenges.

This year there were 27 submissions. Each submission was reviewed by at least three Program Committee members. The committee decided to accept 14 papers based on the merit of each submission and irrespective of any scheduling or space constraints. The program also included an invited talk. Two of the papers were nominated for the Best Paper Award:

- “Boltzmann Samplers for Closed Simply-Typed Lambda Terms” by Maciej Bendkowski, Katarzyna Grygiel and Paul Tarau (Best Student Paper Award)
- “Canonicalizing High-Level Constructs in Picat” by Neng-Fa Zhou and Jonathan Fruhman (Most Practical Paper Award)

Springer sponsored 250 euro for these awards. The authors were encouraged to submit the long versions of their work for the rapid publication track to the journal of Theory and Practice of Logic Programming.

We would like to express thanks to the Association of Logic Programming for their continuous support of the symposium and Springer for their longstanding, successful cooperation with the PADL series. We are also grateful to the 31 members of the PADL 2017 Program Committee and external reviewers. The chairs of POPL 2017 were of great help in steering the organizational details of the event. The conference was managed with the help of EasyChair.

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