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Preface

This volume contains the research papers presented at the 17th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-17), held in Yogyakarta, Indonesia, October 10–15, 2010, accompanied by the 8th International Workshop on the Implementation of Logic (IWIL-8, organized by Eugenia Ternovska, Stephan Schulz, and Geoff Sutcliffe) and the 5th International Workshop on Analytic Proof Systems (APS-5, organized by Matthias Baaz and Christian Fermüller).

The call for papers attracted 133 abstract submissions of which 105 materialized into full submissions, each of which was assigned for reviewing to at least three Program Committee members; 41 papers were accepted after intense discussions. Once more the EasyChair system provided an ideal platform for submission, reviewing, discussions, and collecting final versions of accepted papers.

The program included three invited talks by Krishnendu Chatterjee, Joseph Halpern, and Michael Maher, as well as an invited tutorial by Norbert Preining. They are documented by the corresponding papers and abstract, respectively, in these proceedings, which this year appear for the first time in the ARCoSS subline of the *Lecture Notes in Computer Science*.

Apart from the authors, invited speakers, Program Committee members, and external reviewers, we would like to thank further people that made LPAR-17 a success: the General Chair, Steffen Hölldobler, and his team at the International Center for Computational Logic at TU Dresden; the Local Chairs, Taufiq Hidayat, Yudi Prayudi, and Reza Pulungan; the Publicity Chair, Geoff Sutcliffe; and the Workshop Chair, Laura Kovács. We also gratefully acknowledge financial support by the Kurt Gödel Society.

August 2010

Christian G. Fermüller
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