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Preface

This volume contains the proceedings of the 24th Conference on Concurrency Theory (CONCUR 2013) held in Buenos Aires, Argentina, during August 27–30, 2013. CONCUR 2013 was organized by the Universidad de Buenos Aires and the Universidad Nacional de Córdoba.

The purpose of the CONCUR conference is to bring together researchers, developers, and students in order to advance the theory of concurrency and promote its applications. The principal topics include basic models of concurrency such as abstract machines, domain theoretic models, game theoretic models, process algebras, and Petri nets; logics for concurrency such as modal logics, probabilistic and stochastic logics, temporal logics, and resource logics; models of specialized systems such as biology-inspired systems, circuits, hybrid systems, mobile and collaborative systems, multi-core processors, probabilistic systems, real-time systems, service-oriented computing, and synchronous systems; verification and analysis techniques for concurrent systems such as abstract interpretation, atomicity checking, model checking, race detection, pre-order and equivalence checking, run-time verification, state-space exploration, static analysis, synthesis, testing, theorem proving, and type systems; related programming models such as distributed, component-based, object-oriented, and Web services.

This edition of the conference attracted 115 submissions. We would like to thank all their authors for their interest in CONCUR 2013. After careful reviewing and discussions, the Program Committee selected 34 papers for presentation at the conference. Each submission was reviewed by at least three reviewers, who wrote detailed evaluations and gave insightful comments. The Conference Chairs would like to thank the Program Committee members and all the additional reviewers for their excellent work, as well as for the constructive discussions. We are grateful to the authors for having revised their papers so as to address the comments and suggestions by the referees.

The conference program was greatly enriched by the invited talks by Lorenzo Alvisi (joint invited speaker with QEST 2013), Joost-Pieter Katoen, Philippe Schnoebelen, and Reinhard Wilhelm (joint invited speaker with FORMATS 2013).

This year the conference was jointly organized with the 10th International Conference on Quantitative Evaluation of Systems (QEST 2013), the 11th International Conference on Formal Modeling and Analysis of Timed Systems (FORMATS 2013), and the 8th International Symposium on Trustworthy Global Computing (TGC 2013).

In addition, CONCUR 2013 included six satellite events:

– Combined 20th International Workshop on Expressiveness in Concurrency and 10th Workshop on Structural Operational Semantics (EXPRESS/SOS 2013), organized by Bas Luttik and Johannes Borgström
We would like to thank everybody who contributed to the organization of CONCUR 2013, especially the Workshop Organization Chairs Eduardo Bonelli and Diego Garbervetsky, the Proceedings Chair Nicolás Wolovick, the Publicity Chair Damián Barsotti, as well as the Organizing Committee, including Renata D’Amore, Daniela Bonomo, Silvia Pelozo, and Matías D. Lee. We also thank the Facultad de Ciencias Económicas of the Universidad de Buenos Aires for providing the venue location. Furthermore, we gratefully acknowledge the financial support of the Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), the Agencia Nacional de Promoción Científica y Tecnológica (through the RC program of FONCYT and FONSOFT), and the EU FP7 grant agreement 295261 MEALS (Mobility between Europe and Argentina applying Logics to Systems).

We are also grateful to Andrei Voronkov for providing us with his conference software system EasyChair, which was extremely helpful for the Program Committee discussions and the production of the proceedings.

August 2013

Pedro R. D’Argenio
Hernán Melgratti
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