

Preface

This volume contains the papers presented at COORDINATION 2015: the 17th IFIP WG 6.1 International Conference on Coordination Models and Languages held during June 2–4, 2015 in Grenoble. The conference is the premier forum for publishing research results and experience reports on software technologies for collaboration and coordination in concurrent, distributed, and complex systems. The key focus of the conference is the quest for high-level abstractions that can capture interaction patterns and mechanisms occurring at all levels of the software architecture, up to the end-user domain. COORDINATION called for high-quality contributions on the usage, study, formal analysis, design, and implementation of languages, models, and techniques for coordination in distributed, concurrent, pervasive, multi-agent, and multicore software systems.

The Program Committee (PC) of COORDINATION 2015 consisted of 32 top researchers from 12 different countries. We received 36 submissions out of which the PC selected 14 full papers and 1 short paper for inclusion in the program. All submissions were reviewed by three to four independent referees; papers were selected based on their quality, originality, contribution, clarity of presentation, and relevance to the conference topics. The review process included an in-depth discussion phase, during which the merits of all papers were discussed by the PC. The process culminated in a shepherding phase whereby some of the authors received active guidance by one member of the PC in order to produce a high-quality final version. The selected papers constituted a program covering a varied range of techniques for system coordination: tuple-based coordination, multi-party and logic-based coordination of ensembles, constraints-based coordination, agent-oriented techniques, and finally coordination based on shared spaces. The program was further enhanced by an invited talk by Alois Ferscha from Johannes Kepler Universität Linz (Austria).

The success of COORDINATION 2015 was due to the dedication of many people. We thank the authors for submitting high-quality papers, the PC and their subreviewers, for their careful reviews, and lively discussions during the final selection process, and the Publicity Chair for helping us with advertisement of the CFP. We thank the providers of the EasyChair conference management system, which was used to run the review process and to facilitate the preparation of the proceedings. Finally, we thank the Inria Grenoble—Rhône-Alpes Organizing Committee from Grenoble, led by Alain Girault, for its contribution in making the logistic aspects of COORDINATION 2015 a success.

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