

Preface

Modern information systems rely increasingly on combining concurrent, distributed, mobile, adaptive, reconfigurable, and heterogeneous components. New models, architectures, languages, and verification techniques are necessary to cope with the complexity induced by these systems. Coordination models and languages have emerged as a successful approach to that end, in that they provide abstractions that cleanly separate behavior from communication, therefore increasing modularity, simplifying reasoning, and ultimately enhancing software development. Building on the success of the previous editions, this volume contains the papers presented at Coordination 2017, the 19th IFIP WG 6.1 International Conference on Coordination Models and Languages held in Neuchâtel, Switzerland, during June 19–22, 2017, as part of the federated DisCoTeC conference. Coordination itself is part of a series whose proceedings have been published since 1996 in Springer’s *Lecture Notes in Computer Science* (LNCS).

The Program Committee (PC) of Coordination 2017 consisted of 33 prominent researchers from 18 different countries. In all, 31 submissions were received out of 37 submitted abstracts. Each submission was reviewed by three independent referees. The review process included an in-depth discussion phase during which the merits of all the papers were discussed. Based on quality, originality, clarity, and relevance criteria, the PC finally selected 13 contributions for presentation and publication in the proceedings. The program was further enhanced by an invited talk by Giovanna Di Marzo Serugendo from the University of Geneva, entitled “Spatial Edge Services,” an extended abstract of which is included in the these proceedings.

Many people contributed to the success of Coordination 2017. We first of all would like to thank the authors for submitting high-quality papers. We also thank the Program Committee members for their effort and time to read and discuss the papers and we equally acknowledge the help of the additional reviewers who evaluated submissions in their area of expertise. Furthermore, we wish to thank the Steering Committee of Coordination and the Steering Board of DisCoTeC for their support and in particular Giovanna Di Marzo Serugendo for her keynote address.

It is also our pleasure to thank Pascal Felber, the general chair of DisCoTec, Valerio Schiavoni, the organizing chair of DisCoTec, Ivan Lanese, the publicity chair of DisCoTec, and Francesco Tiezzi, the publicity chair of Coordination 2017. We would also like to thank the providers of the EasyChair conference management system, whose facilities greatly helped us run the review process and facilitate the preparation of the proceedings. With respect to the latter, we also warmly thank Anna Kramer, from Springer, for her help in producing the proceedings. Finally, we are indebted to the conference attendees for keeping the Coordination research community lively and interactive, and ultimately ensuring the success of this conference series.

Coordination Models and Languages

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