

Preface

This volume contains the papers presented at SIROCCO 2015, the 22nd International Colloquium on Structural Information and Communication Complexity, held during July 14-16, 2015, in Montserrat. Financial support was provided by the Catalan Society of Mathematics and the Spanish Royal Society of Mathematics.

SIROCCO is devoted to the study of the interplay between communication and knowledge in multi-processor systems from both the qualitative and quantitative viewpoints. Special emphasis is given to innovative approaches and fundamental understanding, in addition to efforts to optimize current designs. SIROCCO has a tradition of interesting and productive scientific meetings in a relaxed and pleasant atmosphere, attracting leading researchers in a variety of fields in which communication and knowledge play a significant role. This time, there were 78 submissions from 26 countries. Each submission was reviewed by at least three Program Committee members with the help of external reviewers, and the committee decided to accept 30 papers after electronic discussions. Of these papers, the papers “Under the Hood of the Bakery Algorithm: Mutual Exclusion as a Matter of Priority” by Katia Patkin and Yoram Moses and “Randomized OBDD-Based Graph Algorithms” by Marc Bury won the Best Student Paper Awards. The program also includes six keynotes from Michel Raynal, Miquel Angel Fiol, Nati Linial, Saket Navlakha, Bernhard Haeupler, and Amos Korman.

As the program chair of SIROCCO 2015, I would very much like to thank the Program Committee for all of their hard work during the paper selection process, which ran on a very tight schedule this time. I am also grateful to the external reviewers for their valuable and insightful comments and to EasyChair for providing a system that was indeed easy to use. Also many thanks to the invited speakers for accepting my invitations and giving very interesting and inspiring talks. Finally, I am very grateful to the chair of the Steering Committee, Shay Kutten, for his valuable advice, and the Organizing Committee headed by Xavier Munoz for their time and effort to ensure a successful meeting. Without all of these people it would not have been possible to come up with such a great event.

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