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Descriptive Complexity of Formal Systems

13th International Workshop, DCFS 2011
Gießen/Limburg, Germany, July 25-27, 2011
Proceedings

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Preface

The 13th International Workshop of Descriptive Complexity of Formal Systems (DCFS 2011) was organized by the Institut für Informatik of the Universität Giessen and took place in the vicinity of Giessen, in Limburg, Germany. It was a three-day workshop starting July 25 and ending July 27, 2011. The city of Limburg lies in the west of the province Hessen between the Taunus and the Westerwald in the beautiful Lahn valley and it looks back on a history of more than 1,100 years.

The DCFS workshop is the successor workshop and the merger of two related workshops, Descriptive Complexity of Automata, Grammars and Related Structures (DCAGRS) and Formal Descriptions and Software Reliability (FDSR). The DCAGRS workshop took place in Magdeburg, Germany (1999), London, Ontario, Canada (2000), and Vienna, Austria (2001), while the FDSR workshop took place in Paderborn, Germany (1998), Boca Raton, Florida, USA (1999), and San Jose, California, USA (2000). The DCFS workshop has previously been held in London, Ontario, Canada (2002), Budapest, Hungary (2003), London, Ontario, Canada (2004), Como, Italy (2005), Las Cruces, New Mexico, USA (2006), Nový Smokovec, Slovakia (2007), Charlottetown, Prince Edward Island, Canada (2008), Magdeburg, Germany (2009), and Saskatoon, Saskatchewan, Canada (2010).

This volume contains the invited contributions and the accepted papers of DCFS 2011. Special thanks go to the invited speakers:

- Jarkko Kari (University of Turku, Finland)
- Friedrich Otto (Universität Kassel, Germany)
- Stefan Schwoon (ENS de Cachan, France)
- Denis Thérien (McGill University, Quebec, Canada)

for accepting our invitation and presenting their recent results at DCFS 2011. The papers were submitted to DCFS 2011 by a total of 54 authors from 16 different countries, from all over the world, Canada, Czech Republic, Finland, France, Germany, Hungary, India, Italy, Republic of Korea, Latvia, Malaysia, Portugal, Romania, Slovakia, Spain, and USA. From these submissions, on the basis of three referee reports each, the Program Committee selected 21 papers—the submission and refereeing process was supported by the EasyChair conference management system. We warmly thank the members of the Program Committee for their excellent work in making this selection. Moreover, we also thank the additional external reviewers for their careful evaluation. All these efforts were the basis for the success of the workshop. We are indebted to Alfred Hofmann and Anna Kramer, from Springer, for their efficient collaboration in making this volume available before the conference. Their timely instructions were very helpful to our preparation of this volume.

We are grateful to the Organizing Committee consisting of Susanne Gretschel, Markus Holzer (Co-chair), Sebastian Jakobi, Martin Kutrib (Co-chair), Andreas Malcher, Katja Meckel, Heinz Rübeling, and Matthias Wendlandt (Co-chair) for their support of the sessions, the excursion and the other accompanying events. Thanks also go to the staff of the Dom Hotel in Limburg, where the conference took place, and all the other helping hands that were working in the background for the success of this workshop.

Finally, we would like to thank all the participants for attending the DCFS workshop. We hope that this year's workshop stimulated new investigations and scientific co-operations in the field of descriptonal complexity, as in previous years. Looking forward to DCFS 2012 in Porto, Portugal.

July 2011

Markus Holzer
Martin Kutrib
Giovanni Pighizzini

Organization

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