

Preface

This volume contains the papers presented at the 22nd International Conference on Implementation and Application of Automata (CIAA 2017) organized by the Laboratoire d'Informatique Gaspard-Monge (CNRS UMR 8049), Université Paris-Est, during June 27–30, 2017, in Paris, France.

The CIAA conference series is a major international venue for the dissemination of new results in the implementation, application, and theory of automata. The previous 21 conferences were held in various locations all around the globe: Seoul (2016), Umeå (2015), Giessen (2014), Halifax (2013), Porto (2012), Blois (2011), Winnipeg (2010), Sydney (2009), San Francisco (2008), Prague (2007), Taipei (2006), Nice (2005), Kingston (2004), Santa Barbara (2003), Tours (2002), Pretoria (2001), London Ontario (2000), Potsdam (WIA 1999), Rouen (WIA 1998), and London Ontario (WIA 1997 and WIA 1996). Like its predecessors, the theme of CIAA 2017 was the implementation of automata and applications in related fields. The topics of the presented papers include state complexity of automata, implementations of automata and experiments, enhanced regular expressions, and complexity analysis.

There were 31 submissions from 20 different countries: Algeria, Brazil, Bulgaria, Canada, Chile, China, Czech Republic, France, Germany, Iceland, India, Italy, Malta, Poland, UK, Russia, Slovakia, South Africa, South Korea, and Sweden. Each submission was reviewed by at least three reviewers and thoroughly discussed by the Program Committee (PC). The committee decided to accept 17 papers for oral presentation. The program also includes three invited talks by Véronique Cortier, Kim G. Larsen, and Damien Pous.

We would like to thank the members of the PC and the external reviewers for their work and for the thorough discussions that took place. We also thank all the authors of submitted papers who made CIAA 2017 possible. The work of the PC and the collating of the proceedings were greatly simplified by the EasyChair conference system.

We would furthermore like to thank the editorial staff at Springer, and in particular Alfred Hofmann and Anna Kramer, for their guidance and help during the process of publishing this volume. We are also grateful to the IUT de Marne-la-Vallée for providing the rooms for the conference. Finally, we are grateful to the conference sponsors for their generous financial support: Labex Bézout, Laboratoire d'Informatique Gaspard-Monge (UMR 8049) and Université Paris-Est Marne-la-Vallée.

We all look forward to CIAA 2018 in Charlottetown, Canada.

June 2017

Arnaud Carayol
Cyril Nicaud

Implementation and Application of Automata
22nd International Conference, CIAA 2017,
Marne-la-Vallée, France, June 27-30, 2017, Proceedings
Carayol, A.; Nicaud, C. (Eds.)
2017, XX, 213 p. 32 illus., Softcover
ISBN: 978-3-319-60133-5