

# 33rd Symposium on Theoretical Aspects of Computer Science

STACS'16, February 17–20, 2016, Orléans, France

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## ■ Foreword

The Symposium on Theoretical Aspects of Computer Science (STACS) conference series is an international forum for original research on theoretical aspects of computer science. Typical areas are (cited from the call for papers for this year's conference): algorithms and data structures, including: parallel, distributed, approximation, and randomized algorithms; computational geometry, cryptography, algorithmic learning theory, analysis of algorithms; automata and formal languages; computational complexity, parameterized complexity, randomness in computation; logic in computer science, including: semantics, specification and verification, rewriting and deduction; current challenges, for example: natural computing, quantum computing, mobile and net computing.

STACS is held alternately in France and in Germany. This year's conference (taking place February 17–20 in Orléans) is the 33rd in the series. Previous meetings took place in Paris (1984), Saarbrücken (1985), Orsay (1986), Passau (1987), Bordeaux (1988), Paderborn (1989), Rouen (1990), Hamburg (1991), Cachan (1992), Würzburg (1993), Caen (1994), München (1995), Grenoble (1996), Lübeck (1997), Paris (1998), Trier (1999), Lille (2000), Dresden (2001), Antibes (2002), Berlin (2003), Montpellier (2004), Stuttgart (2005), Marseille (2006), Aachen (2007), Bordeaux (2008), Freiburg (2009), Nancy (2010), Dortmund (2011), Paris (2012), Kiel (2013), Lyon (2014), and München (2015).

The interest in STACS has remained at a high level over the past years. The STACS 2016 call for papers led to 205 submissions with authors from 44 countries. Each paper was assigned to three program committee members who, at their discretion, asked external reviewers for reports. The committee selected 54 papers during a three-week electronic meeting held in November/December. For the second time within the STACS conference series, there was also a rebuttal period during which authors could submit remarks to the PC concerning the reviews of their papers. As co-chairs of the program committee, we would like to sincerely thank all its members and the many external referees for their valuable work. In particular, there were intense and interesting discussions. The overall very high quality of the submissions made the selection a difficult task.

This year, the conference includes a tutorial. We would like to express our thanks to the speaker Jarkko Kari for this tutorial, as well as to the invited speakers, Jérôme Leroux, Carsten Lutz, and Virginia Vassilevska Williams. Special thanks also go to Andrei Voronkov for his EasyChair software (<http://www.easychair.org>). Moreover, we would like to warmly thank Isabelle Renard and Fabienne Le Bihan for continuous help throughout the conference organization.

We would also like to thank Marc Herbstritt from the Dagstuhl/LIPIcs team for assisting us in the publication process and the final production of the proceedings. These proceedings contain extended abstracts of the accepted contributions and abstracts of the invited talks and the tutorials. The authors retain their rights and make their work available under a Creative Commons license. The proceedings are published electronically by Schloss Dagstuhl – Leibniz-Center for Informatics within their LIPIcs series.

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Orléans and Hannover, February 2016

Nicolas Ollinger and Heribert Vollmer





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