

# 41st International Symposium on Theoretical Aspects of Computer Science

STACS 2024, March 12–14, 2024, Clermont-Ferrand, France

Edited by

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## ■ Preface

The International Symposium on Theoretical Aspects of Computer Science (STACS) conference series is an internationally leading forum for original research on theoretical aspects of computer science.

STACS 2024 consists of two tracks, A and B. Track A is dedicated to algorithms and data structures, complexity and games. Track B covers automata, logic, semantics and theory of programming.

STACS is held alternately in France and in Germany. This year's conference, taking place in Clermont-Ferrand (Université Clermont Auvergne) from March 12 to March 14, is the 41st 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), München (2015), Orléans (2016), Hannover (2017), Caen (2018), Berlin (2019), Montpellier (2020), Saarbrücken (2021, taking place virtually), Marseille (2022, taking place virtually), and Hamburg (2023).

The interest in STACS has remained at a very high level over the past years. The STACS 2024 call for papers led to 203 submissions (153 for Track A and 50 for Track B) with authors from 37 countries. Each paper was assigned to three program committee members who, at their discretion, asked external reviewers for reports. For the tenth 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. In addition, and for the fourth time, STACS 2024 employed a lightweight double-blind reviewing process: submissions should not reveal the identity of the authors in any way. However, it was still possible for authors to disseminate their ideas or draft versions of their paper as they normally would, for instance by posting drafts on the web or giving talks on their results. The committee selected 56 papers for publication (40 for Track A and 16 for Track B). This means an acceptance rate of around 28%. As co-chairs of the program committee, we would like to sincerely thank all its members and the 313 external reviewers for their valuable work. In particular, there were intense and interesting discussions inside the PC committee. The very high quality of the submissions made the selection an extremely difficult task.

We would like to express our thanks to the three invited speakers: Igor Carboni Oliveira (Warwick University, UK), Sofya Raskhodnikova (Boston University, USA), and Szymon Toruńczyk (Warsaw University, Poland).

We thank Michael Didas from the 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. 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. We also thank Sourav S Bhowmick who helped at the beginning of the reviewing process and assignment to PC members to identify conflicts with the Closet system. Finally, we would like to thank Université Clermont Auvergne, Clermont Auvergne INP, ISIMA, LIMOS, CNRS and Clermont Auvergne Metropole for their support. Our special



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Olaf Beyersdorff, Mamadou Moustapha Kanté, Orna Kupferman and Daniel Lokshtanov

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