45th International Symposium on Mathematical Foundations of Computer Science

MFCS 2020, August 25–26, 2020, Prague, Czech Republic

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ACM Classification 2012
Theory of computation

ISBN 978-3-95977-159-7

Published online and open access by
Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Saarbrücken/Wadern, Germany. Online available at https://www.dagstuhl.de/dagpub/978-3-95977-159-7.

Publication date
August, 2020

Bibliographic information published by the Deutsche Nationalbibliothek
The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at https://portal.dnb.de.

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Digital Object Identifier: 10.4230/LIPIcs.MFCS.2020.0

ISBN 978-3-95977-159-7 **ISSN 1868-8969** **https://www.dagstuhl.de/lipics**

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Leibniz International Proceedings in Informatics
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Preface

The International Symposium on Mathematical Foundations of Computer Science (MFCS conference series) is a well-established venue for presenting research papers in theoretical computer science. The broad scope of the conference encourages interactions between researchers who might not meet at more specialized venues. The first MFCS conference was organized in 1972 in Jabłonna (near Warsaw, Poland). Since then, the conference traditionally moved between the Czech Republic, Slovakia, and Poland. A few years ago, the conference started traveling around Europe. After three editions in Denmark, United Kingdom, and Germany, the 45th edition of MFCS returns to Prague in the Czech Republic.

The program committee of MFCS 2020 accepted 82 papers out of 242 submissions, a record number in the history of the conference. The authors of the submitted papers represented over 45 countries. Each paper received at least three reviews. We would like to express our deep gratitude to all the committee members for their extensive reports and discussions on the merits of the submissions.

Due to the Covid-19 pandemic MFCS 2020 was held as a virtual event. It featured invited talks by Nathalie Bertrand (INRIA, Rennes), Sergio Cabello (University of Ljubljana), Subhash Khot (New York University), Parthasarathy Madhusudan (University of Illinois Urbana-Champaign), and Mary Wootters (Stanford University) on topics that reflected the broad scope of the conference.

MFCS proceedings are published in the Dagstuhl/LIPIcs series since 2016. We would like to thank Michael Wagner and the LIPIcs team for all their kind help and support. We also warmly thank the Organising Committee of MFCS, composed by Michal Koucký (chair), Andreas Emil Feldmann, and Michal Opler, for their hard work in setting up and running the online event.

Javier Esparza

Daniel Král'

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Parys, Paweł
Paták, Pavel
Patro, Subhasree
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Penelle, Vincent
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Raman, Venkatesh
Rand, Robert
Rao B V, Raghavendra
Raskin, Michael
Rattan, Gaurav
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Raymond, Jean-Florent
Ray, Saurabh
Reiter, Fabian
Richerby, David
Richomme, Gwenaël
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Rosenbaum, Will
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Roth, Marc
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Sarma, Jayalal
Sato, Ryosuke
Sato, Shigeyuki
Sato, Tetsuya
Satti, Srinivasa Rao
Sau, Ignasi
Saurabh, Saket
Sawada, Joe
Scalas, Alceste
Scheder, Dominik
Schewe, Sven
Schlotter, Ildikó
Schmand, Daniel
Schmid, Laura
Schmude, Janusz
Schnoebelen, Philippe
Schramm, Tselil
Schweitzer, Pascal
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Shallit, Jeffrey
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Sornat, Krzysztof
Souza, Uéverton
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Staton, Sam
Stefański, Rafał
Stougie, Leen
Strozecki, Yann
Stumpf, Peter
Suenaga, Kohei
Suomela, Jukka
Svozil, Alexander
Szykuła, Marek
Talebanfard, Navid
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Thapper, Johan
Thierauf, Thomas
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Tison, Sophie
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Totzke, Patrick
Tsukada, Takeshi
Tzevelekos, Nikos
Ueckerdt, Torsten
Urbat, Henning
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van Leeuwen, Erik Jan
Vergnaud, Damien
Viard, Tiphaine
Vigny, Alexandre
Villaret, Mateu
Vinar, Tomas
Viola, Caterina
Volk, Ben Lee
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Wahlström, Magnus
Walen, Tomasz
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Wienöbst, Marcel

Wilczynski, Anaëlle
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Wood, David R.
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Wulms, Jules
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Yuan, Chen
Zamaraev, Viktor
Zeman, Peter
Zhang, Chihao
Zhou, Junping
Zimmermann, Martin
Zuleger, Florian
Zwick, Uri