

# 10th International Conference on Fun with Algorithms

FUN 2021, May 30–June 1, 2021, Favignana Island, Sicily, Italy

Edited by

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*ACM Classification 2012*

Theory of computation; Mathematics of computing; Computing methodologies; Security and privacy;  
Applied computing; Information systems

**ISBN 978-3-95977-145-0**

*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/978-3-95977-145-0>.

*Publication date*

September, 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.FUN.2021.0

**ISBN 978-3-95977-145-0**

**ISSN 1868-8969**

**<https://www.dagstuhl.de/lipics>**

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## ■ Contents

Preface	
<i>Martin Farach-Colton, Giuseppe Prencipe, and Ryuhei Uehara</i> .....	0:vii
Conference Organization	
.....	0:ix
Authors	
.....	0:xi–0:xv

### Regular Papers

Tatamibari Is NP-Complete	
<i>Aviv Adler, Jeffrey Bosboom, Erik D. Demaine, Martin L. Demaine,</i> <i>Quanquan C. Liu, and Jayson Lynch</i> .....	1:1–1:24
Collaborative Procrastination	
<i>Aris Anagnostopoulos, Aristides Gionis, and Nikos Parotsidis</i> .....	2:1–2:20
Walking Through Doors Is Hard, Even Without Staircases: Proving PSPACE-Hardness via Planar Assemblies of Door Gadgets	
<i>Joshua Ani, Jeffrey Bosboom, Erik D. Demaine, Yenhenii Diomidov,</i> <i>Dylan Hendrickson, and Jayson Lynch</i> .....	3:1–3:23
Taming the Knight’s Tour: Minimizing Turns and Crossings	
<i>Juan Jose Besa, Timothy Johnson, Nil Mamano, and Martha C. Osegueda</i> .....	4:1–4:20
Cutting Bamboo down to Size	
<i>Davide Bilò, Luciano Gualà, Stefano Leucci, Guido Proietti, and</i> <i>Giacomo Scornavacca</i> .....	5:1–5:18
Finding Water on Poleless Using Melomaniac Myopic Chameleon Robots	
<i>Quentin Bramas, Pascal Lafourcade, and Stéphane Devismes</i> .....	6:1–6:19
$1 \times 1$ Rush Hour with Fixed Blocks Is PSPACE-Complete	
<i>Josh Brunner, Lily Chung, Erik D. Demaine, Dylan Hendrickson,</i> <i>Adam Hesterberg, Adam Suhl, and Avi Zeff</i> .....	7:1–7:14
An Optimal Algorithm for Online Freeze-Tag	
<i>Josh Brunner and Julian Wellman</i> .....	8:1–8:11
Magic: The Gathering Is Turing Complete	
<i>Alex Churchill, Stella Biderman, and Austin Herrick</i> .....	9:1–9:19
Computational Fun with Sturdy and Flimsy Numbers	
<i>Trevor Clokie, Thomas F. Lidbetter, Antonio J. Molina Lovett,</i> <i>Jeffrey Shallit, and Leon Witzman</i> .....	10:1–10:21
Efficient Algorithms for Battleship	
<i>Loïc Crombez, Guilherme D. da Fonseca, and Yan Gerard</i> .....	11:1–11:15
A Phase Transition in Minesweeper	
<i>Ross Dempsey and Charles Guinn</i> .....	12:1–12:10

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On the Treewidth of Hanoi Graphs <i>David Eppstein, Daniel Frishberg, and William Maxwell</i> .....	13:1–13:21
An Open Pouring Problem <i>Fabian Frei, Peter Rossmanith, and David Wehner</i> .....	14:1–14:9
Multi-Robot Motion Planning of $k$ -Colored Discs Is PSPACE-Hard <i>Thomas Brocken, G. Wessel van der Heijden, Irina Kostitsyna, Lloyd E. Lo-Wong, and Remco J. A. Surtel</i> .....	15:1–15:16
Efficient Algorithm for Multiplication of Numbers in Zeckendorf Representation <i>Tomasz Idziaszek</i> .....	16:1–16:9
Foundations for Actively Secure Card-Based Cryptography <i>Alexander Koch and Stefan Walzer</i> .....	17:1–17:23
Hyperbolic Minesweeper Is in P <i>Eryk Kopczyński</i> .....	18:1–18:7
Train Tracks with Gaps <i>William Kuszmaul</i> .....	19:1–19:11
Card-Based ZKP Protocols for Takuzu and Juosan <i>Daiki Miyahara, Léo Robert, Pascal Lafourcade, So Takeshige, Takaaki Mizuki, Kazumasa Shinagawa, Atsuki Nagao, and Hideaki Sone</i> .....	20:1–20:21
Speeding up Networks Mining via Neighborhood Diversity <i>Gennaro Cordasco, Luisa Gargano, and Adele A. Rescigno</i> .....	21:1–21:12
Physical Zero-Knowledge Proof for Numberlink <i>Suthee Ruangwises and Toshiya Itoh</i> .....	22:1–22:11
The Computational Complexity of Evil Hangman <i>Jérémy Barbay and Bernardo Subercaseaux</i> .....	23:1–23:12
Singletons for Simpletons: Revisiting Windowed Backoff with Chernoff Bounds <i>Qian M. Zhou, Aiden Calvert, and Maxwell Young</i> .....	24:1–24:19

## ■ Preface

FUN with Algorithms is dedicated to the use, design, and analysis of algorithms and data structures, focusing on results that provide amusing, witty but nonetheless original and scientifically profound contributions to the area. Donald Knuth's famous quote captures this spirit nicely:.... *pleasure has probably been the main goal all along. But I hesitate to admit it, because computer scientists want to maintain their image as hard-working individuals who deserve high salaries. Sooner or later society will realize that certain kinds of hard work are in fact admirable even though they are more fun than just about anything else.*

The previous FUNs were held in Elba Island, Italy; in Castiglioncello, Tuscany, Italy; in Ischia Island, Italy; in San Servolo Island, Venice, Italy; in Lipari Island, Sicily, Italy; and in La Maddalena Island, Sardinia, Italy. Special issues of Theoretical Computer Science, Discrete Applied Mathematics, and Theory of Computing Systems were dedicated to them.

This volume contains the papers that will be presented at the 10th International Conference on Fun with Algorithms 2020. The conference was originally scheduled to be at Island of Favignana, Sicily, Italy, from the 8th to the 10th of June, 2020. Unfortunately, due to the COVID-19 global emergency, we were forced to delay it, which was not so fun. Fortunately, FUN is held every two years; thus, we planned to postpone it until summer 2021. Different dates, same venue, same FUN!

The call for papers attracted 48 submissions from all over the world, addressing a wide variety of topics, reviewed by 31 Program Committee members. After a careful reviewing process and a thorough discussion, the committee decided to accept 24 papers. Extended versions of selected papers will appear in a special issue. In addition, the program features invited talks by Eva Rotenberg and Bettina Speckmann.

We thank all authors who submitted their work to FUN 2020/2021, all Program Committee members for their expert assessments and the ensuing discussions, all external reviewers for their kind help, and Atsuki Nagao for taking care of the web management of the conference. We used EasyChair (<http://www.easychair.org/>), that greatly facilitated the entire preparation of the conference, for handling submissions, reviews, the selection of papers, and the production of this volume. Warm thanks also go to Michael Wagner, and to the LIPIcs team, for following carefully the process of proceedings' publication in LIPIcs series.

When we are editing this volume, the things are not yet settled. However, we hope we can share fun with algorithms even if, at least for now, it may be only shared by online.

May, 2020

*Martin Farach-Colton  
Giuseppe Prencipe  
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