

15th Scandinavian Symposium and Workshops on Algorithm Theory

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Edited by

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■ Contents

Preface	
<i>Rasmus Pagh</i>	0:ix–0:ix

Regular papers

Session 1: Approximations and graphs

Approximating Connected Facility Location with Lower and Upper Bounds via LP Rounding	
<i>Zachary Friggstad, Mohsen Rezapour, and Mohammad R. Salavatipour</i>	1:1–1:14
Approximation Algorithms for Node-Weighted Prize-Collecting Steiner Tree Problems on Planar Graphs	
<i>Jaroslav Byrka, Mateusz Lewandowski, and Carsten Moldenhauer</i>	2:1–2:14
A Logarithmic Integrality Gap Bound for Directed Steiner Tree in Quasi-bipartite Graphs	
<i>Zachary Friggstad, Jochen Könemann, and Mohammad Shadravan</i>	3:1–3:11

Session 2: Graph Algorithms

A Linear Kernel for Finding Square Roots of Almost Planar Graphs	
<i>Petr A. Golovach, Dieter Kratsch, Daniël Paulusma, and Anthony Stewart</i>	4:1–4:14
Linear-Time Recognition of Map Graphs with Outerplanar Witness	
<i>Matthias Mnich, Ignaz Rutter, and Jens M. Schmidt</i>	5:1–5:14
The p -Center Problem in Tree Networks Revisited	
<i>Aritra Banik, Binay Bhattacharya, Sandip Das, Tsunehiko Kameda, and Zhao Song</i>	6:1–6:15

Session 3: Sets

A Simple Mergeable Dictionary	
<i>Adam Karczmarz</i>	7:1–7:13
Cuckoo Filter: Simplification and Analysis	
<i>David Eppstein</i>	8:1–8:12
Randomized Algorithms for Finding a Majority Element	
<i>Paweł Gawrychowski, Jukka Suomela, and Przemysław Uznański</i>	9:1–9:14

Session 4: String and Streams

A Framework for Dynamic Parameterized Dictionary Matching	
<i>Arnab Ganguly, Wing-Kai Hon, and Rahul Shah</i>	10:1–10:14
Efficient Summing over Sliding Windows	
<i>Ran Ben Basat, Gil Einziger, Roy Friedman, and Yaron Kassner</i>	11:1–11:14
Lower Bounds for Approximation Schemes for Closest String	
<i>Marek Cygan, Daniel Lokshantov, Marcin Pilipczuk, Michał Pilipczuk, and Saket Saurabh</i>	12:1–12:10



Session 5: Parameterized Graph Algorithms

Coloring Graphs Having Few Colorings Over Path Decompositions <i>Andreas Björklund</i>	13:1–13:9
Parameterized Algorithms for Recognizing Monopolar and 2-Subcolorable Graphs <i>Iyad Kanj, Christian Komusiewicz, Manuel Sorge, and Erik Jan van Leeuwen</i>	14:1–14:14
On Routing Disjoint Paths in Bounded Treewidth Graphs <i>Alina Ene, Matthias Mnich, Marcin Pilipczuk, and Andrej Risteski</i>	15:1–15:15

Session 6: Hard Problems

Colouring Diamond-free Graphs <i>Konrad K. Dabrowski, François Dross, and Daniël Paulusma</i>	16:1–16:14
Below All Subsets for Some Permutational Counting Problems <i>Andreas Björklund</i>	17:1–17:11
Extension Complexity, MSO Logic, and Treewidth <i>Petr Kolman, Martin Koutecký, and Hans Raj Tiwary</i>	18:1–18:14

Session 7: Online Algorithms

Optimal Online Escape Path Against a Certificate <i>Elmar Langetepe and David Kübel</i>	19:1–19:14
Lagrangian Duality based Algorithms in Online Energy-Efficient Scheduling <i>Nguyen Kim Thang</i>	20:1–20:14
Online Dominating Set <i>Joan Boyar, Stephan J. Eidenbenz, Lene M. Favrholdt, Michal Kotrbčík, and Kim S. Larsen</i>	21:1–21:15

Session 8: Sorting, Scheduling, and Games

Sorting Under Forbidden Comparisons <i>Indranil Banerjee and Dana Richards</i>	22:1–22:13
Total Stability in Stable Matching Games <i>Sushmita Gupta, Kazuo Iwama, and Shuichi Miyazaki</i>	23:1–23:12
Estimating The Makespan of The Two-Valued Restricted Assignment Problem <i>Klaus Jansen, Kati Land, and Marten Maack</i>	24:1–24:13

Session 9: Approximation and Geometry

A Plane 1.88-Spanner for Points in Convex Position <i>Mahdi Amani, Ahmad Biniaz, Prosenjit Bose, Jean-Lou De Carufel, Anil Maheshwari, and Michiel Smid</i>	25:1–25:14
Approximating the Integral Fréchet Distance <i>Anil Maheshwari, Jörg-Rüdiger Sack, and Christian Scheffer</i>	26:1–26:14
Minimizing the Continuous Diameter when Augmenting Paths and Cycles with Shortcuts <i>Jean-Lou De Carufel, Carsten Grimm, Anil Maheshwari, and Michiel Smid</i>	27:1–27:14

Session 10: Geometry

A Clustering-Based Approach to Kinetic Closest Pair
Timothy M. Chan and Zahed Rahmati 28:1–28:13

Constrained Geodesic Centers of a Simple Polygon
Eunjin Oh, Wanbin Son, and Hee-Kap Ahn 29:1–29:13

Time-Space Trade-offs for Triangulating a Simple Polygon
*Boris Aronov, Matias Korman, Simon Pratt, André van Renssen,
 and Marcel Roeloffzen* 30:1–30:12

Invited contributions

Excluded Grid Theorem: Improved and Simplified
Julia Chuzhoy 31:1–31:1

The Complexity Landscape of Fixed-Parameter Directed Steiner Network Problems
Dániel Marx 32:1–32:1

Computation as a Scientific Weltanschauung
Christos H. Papadimitriou 33:1–33:1

■ Preface

The 15th Scandinavian Symposium and Workshop and Algorithms Theory (SWAT) received 90 submissions by authors from 31 countries, spanning a broad range of areas within design and analysis of algorithms. The program committee, consisting of 23 members from across the world, worked with 167 subreviewers to review the papers. With the exception of a single paper that was withdrawn during the review process, all papers received at least 3 independent reviews. I would like to thank the program committee and subreviewers for a great effort. For example, the average length of reviews exceeded 8300 characters per paper, and during the subsequent discussion phase, program committee members posted more than 250 additional comments to papers.

In the end we selected 30 papers for inclusion in the conference proceedings and presentation at the conference in Reykjavik, Iceland. The selected papers confirm SWAT's strong reputation within important areas such as graph algorithms and computational geometry, while at the same time spanning algorithms theory broadly with contributions within e.g. data structures, data streaming, string algorithms, algorithmic game theory, and on-line algorithms.

The program committee decided to give the best student paper to Adam Karczmarz for his paper *A Simple Mergeable Dictionary*. In addition to presentations of regular papers, SWAT will feature invited talks by Julia Chuzhoy, Dániel Marx, and Christos Papadimitriou. Accompanying invited contributions can be found in the proceedings.

The present proceedings is the first after SWAT's move to publish in the LIPIcs series. I would like to thank Thomas Dybdahl Ahle at IT University of Copenhagen and Marc Herbstritt at Dagstuhl for their contributions to editing the proceedings.

Rasmus Pagh
Program committee chair for SWAT 2016



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