

# ALENEX16 – List of Accepted Papers

Paper titles and author information appears as submitted to Easy Chair.

**Paper title and author changes will not be made to this document.**  
**The online program will reflect the most up-to-date presentation details, and is scheduled for posting in mid-November (<http://www.siam.org/meetings/alnex16/program.php>).**

Graph Bisection with Pareto-Optimization  
Michael Hamann and Ben Strasser

Computing Top-k Closeness Centrality Faster in Unweighted Graphs  
Elisabetta Bergamini and Henning Meyerhenke

Engineering Oracles for Time-Dependent Road Networks  
Spyros Kontogiannis, George Michalopoulos, Georgia Papastavrou, Andreas Paraskevopoulos, Dorothea Wagner and Christos Zaroliagis

Real-Time k-bounded Preemptive Scheduling  
Sivan Albagli, Baruch Schieber, Hadas Shachnai and Tami Tamir

Finding Near-Optimal Independent Sets at Scale  
Sebastian Lamm, Peter Sanders, Christian Schulz, Darren Strash and Renato F. Werneck

Geometry Helps to Compare Persistence Diagrams  
Michael Kerber, Dmitriy Morozov and Arnur Nigmatov

A Novel Dual Ascent Algorithm for Solving the Min-Cost Flow Problem  
Ruben Becker, Maximilian Fickert and Andreas Karrenbauer

k-way Hypergraph Partitioning via n-Level Recursive Bisection  
Sebastian Schlag, Vitali Henne, Tobias Heuer, Henning Meyerhenke, Peter Sanders and Christian Schulz

Generating massive scale free networks under resource constraints  
Ulrich Meyer and Manuel Penschuck

Experimental Evaluation of Distributed Node Coloring Algorithms for Wireless Networks  
Fabian Fuchs

A General Framework for Dynamic Succinct and Compressed Data Structures  
Patrick Klitzke and Patrick K. Nicholson

An Algorithm for Online K-Means Clustering  
Edo Liberty, Ram Sriharsha and Maxim Sviridenko

An Experimental Evaluation of Laplacian Solvers  
Kevin Deweese, Erik Boman and John Gilbert

Scalable Transfer Patterns  
Hannah Bast, Matthias Hertel and Sabine Storandt

Fast Algorithms for Pseudoarboricity  
Markus Blumenstock