ALENEX15 – Accepted Papers

Shahram Ghandeharizadeh, Sandy Irani, and Jenny Lam
Cache Replacement with Memory Allocation

Sándor Fekete, Winfried Hellmann, Michael Hemmer, Arne Schmidt, and Julian Troegel
Computing MaxMin Edge Length Triangulations

Matteo Ceccarello and Francesco Silvestri
Experimental Evaluation of Multi-Round Matrix Multiplication on MapReduce

Takuya Akiba and Yoichi Iwata
Branch-and-Reduce Exponential/FPT Algorithms in Practice: A Case Study of Vertex Cover

Hongwei Huo, Longgang Chen, Heng Zhao, Jeffrey Vitter, Yakov Nekrich, and Qiang Yu
A Data-Aware FM-index

Yuzuru Okajima and Kouichi Maruyama
Faster Linear-space Orthogonal Range Searching in Arbitrary Dimensions

Elisabetta Bergamini, Henning Meyerhenke, and Christian Staudt
Approximating Betweenness Centrality in Large Evolving Networks

Spyros Kontogiannis, George Michalopoulos, Georgia Papastavrou, Andreas Paraskevopoulos, Dorothea Wagner, and Christos Zaroliagis
Analysis and Experimental Evaluation of Time-Dependent Distance Oracles

Deepak Ajwani, Ulrich Meyer, and David Veith
An I/O-efficient Distance Oracle for Evolving Real-World Graphs

Simon Gog and Gonzalo Navarro
Improved Single-Term Top-k Document Retrieval

Yaroslav Akhremtsev, Peter Sanders, and Christian Schulz
(Semi-)External Algorithms for Graph Partitioning and Clustering

Kevin Buchin, Irina Kostitsyna, Maarten Löffler, and Rodrigo Silveira
Region-based Approximation Algorithms for Visibility between Imprecise Locations

Pierre Bertrand and Christoph Lenzen
The 1-2-3-Toolkit for Building Your Own Balls-into-Bins Algorithm

William Di Luigi, Loukas Georgiadis, Giuseppe F Italiano, Luigi Laura, and Nikos Parotsidis
2-Connectivity in Directed Graphs: An Experimental Study

Andreas Björklund, Petteri Kaski, Lukasz Kowalik, and Juho Lauri
Engineering motif search for large graphs