

Contents

Engineering a Lightweight and Efficient Local Search SAT Solver	1
<i>Adrian Balint and Uwe Schöning</i>	
Route Planning in Transportation Networks	19
<i>Hannah Bast, Daniel Delling, Andrew Goldberg, Matthias Müller-Hannemann, Thomas Pajor, Peter Sanders, Dorothea Wagner, and Renato F. Werneck</i>	
Theoretical Analysis of the k -Means Algorithm – A Survey	81
<i>Johannes Blömer, Christiane Lammersen, Melanie Schmidt, and Christian Sohler</i>	
Recent Advances in Graph Partitioning	117
<i>Aydın Buluç, Henning Meyerhenke, Ilya Safro, Peter Sanders, and Christian Schulz</i>	
How to Generate Randomized Roundings with Dependencies and How to Derandomize Them	159
<i>Benjamin Doerr and Magnus Wahlström</i>	
External-Memory State Space Search.	185
<i>Stefan Edelkamp</i>	
Algorithm Engineering Aspects of Real-Time Rendering Algorithms	226
<i>Matthias Fischer, Claudius Jähn, Friedhelm Meyer auf der Heide, and Ralf Petring</i>	
Algorithm Engineering in Robust Optimization.	245
<i>Marc Goerigk and Anita Schöbel</i>	
Clustering Evolving Networks	280
<i>Tanja Hartmann, Andrea Kappes, and Dorothea Wagner</i>	
Integrating Sequencing and Scheduling: A Generic Approach with Two Exemplary Industrial Applications	330
<i>Wiebke Höhn and Rolf H. Möhring</i>	
Engineering a Bipartite Matching Algorithm in the Semi-Streaming Model . . .	352
<i>Lasse Kliemann</i>	

Engineering Art Galleries 379
*Pedro J. de Rezende, Cid C. de Souza, Stephan Friedrichs,
Michael Hemmer, Alexander Kröller, and Davi C. Tozoni*

Author Index 419



<http://www.springer.com/978-3-319-49486-9>

Algorithm Engineering

Selected Results and Surveys

Kliemann, L.; Sanders, P. (Eds.)

2016, X, 419 p. 68 illus., Softcover

ISBN: 978-3-319-49486-9