

Publications of Hans-Joachim Böckenhauer

Textbooks

- [1] H.-J. Böckenhauer, J. Hromkovič: *Formale Sprachen – Endliche Automaten, Grammatiken, lexikalische und syntaktische Analyse*. Springer Vieweg, 2013.
- [2] H.-J. Böckenhauer, D. Bongartz: *Algorithmic Aspects of Bioinformatics*. Springer-Verlag 2007.
- [3] H.-J. Böckenhauer, D. Bongartz: *Algorithmische Grundlagen der Bioinformatik*. Teubner 2003.

Book Chapters

- [4] H.-J. Böckenhauer, J. Hromkovič, D. Komm: Reoptimization of Hard Optimization Problems. In: T. F. Gonzalez (Ed.): *Handbook of Approximation Algorithms and Metaheuristics, Second Edition: Methodologies and Traditional Applications, Volume 1*, CRC Press, 2018, Chapter 25.
- [5] H.-J. Böckenhauer, J. Hromkovič, S. Seibert: Stability of Approximation. In: T. F. Gonzalez (Ed.): *Handbook of Approximation Algorithms and Metaheuristics, Second Edition: Methodologies and Traditional Applications, Volume 1*, CRC Press, 2018, Chapter 27.
- [6] H.-J. Böckenhauer, J. Hromkovič, S. Seibert: Stability of Approximation. In: T. F. Gonzalez (Ed.): *Handbook of Approximation Algorithms and Metaheuristics*, Chapman & Hall/CRC Press, 2007, Chapter 31.

Editorial Work

- [7] H.-J. Böckenhauer, D. Komm, W. Unger (eds.): *Adventures Between Lower Bounds and Higher Altitudes – Essays Dedicated to Juraj Hromkovič on the Occasion of His 60th Birthday*, LNCS 11011, Springer-Verlag, 2018.
- [8] H.-J. Böckenhauer, J. Hromkovič, D. Komm (eds.): Approximation and Parameterization. Special issue of *MDPI Algorithms*, 2018.

Invited Contributions in Books and Conference Proceedings

- [9] H.-J. Böckenhauer, L. Di Caro, W. Unger: Fully online matching with advice on general bipartite graphs and paths. In: H.-J. Böckenhauer, D. Komm, W. Unger (eds.): *Adventures Between Lower Bounds and Higher Altitudes – Essays Dedicated to Juraj Hromkovič on the Occasion of His 60th Birthday*, LNCS 11011, Springer-Verlag, 2018, pp. 172–190.
- [10] H.-J. Böckenhauer, J. Hromkovič, D. Komm: A technique to obtain hardness results for randomized online algorithms - A survey. In: C. S. Calude, R. Freivalds, I. Kazuo (eds.): *Computing with New Resources: Essays Dedicated to Jozef Gruska on the Occasion of His 80th Birthday*, LNCS 8808, Springer Verlag, 2014, pp. 264–276.

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- [12] H.-J. Böckenhauer, J. Hromkovič, A. Sprock: Knowing all optimal solutions does not help for TSP reoptimization. In: J. Kelemen, A. Kelemenová (eds.): *Computation, Cooperation and Life - Essays Dedicated to Gheorghe Păun on the Occasion of His 60th Birthday*, LNCS 6610, Springer-Verlag 2011, pp. 7–15.
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- [17] M. P. Bianchi, H.-J. Böckenhauer, T. Brülisauer, D. Komm, B. Palano: Online minimum spanning tree with advice. *International Journal of Foundations of Computer Science* 29(4), 2018, pp. 505–527.
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Teaching Material

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