

Prof. Dr. Anand Srivastav

10 most important Publications since 2007:

- 1.) Mourad El Ouali, Peter Munstermann, Anand Srivastav: *Randomized Approximation for the Set Multicover Problem in Hypergraphs*. *Algorithmica* 74(2): 574-588. DOI:10.1007/s00453-014-9962-9 (2016)
- 2.) Mourad El Ouali, Helena Fohlin, Anand Srivastav: *An approximation algorithm for the partial vertex cover problem in hypergraphs*. *Journal of Combinatorial Optimization* 31(2): 846-864. DOI:10.1007/s10878-014-9793-2 (2016)
- 3.) Lasse Kliemann, Christian Schielke, Anand Srivastav: *A Streaming Algorithm for the Undirected Longest Path Problem*. Proceedings of the 24th Annual European Symposium on Algorithms, Aarhus, Denmark, August 2016 (ESA 2016), pages 56:1–56:17 (2016). DOI:10.4230/LIPIcs.ESA.2016.56
- 4.) Mourad El Ouali, Helena Fohlin, Anand Srivastav: *A randomised approximation algorithm for the hitting set problem*. *Theoretical Computer Science* 555: 23-34 (2014). DOI:10.1016/j.tcs.2014.03.029
- 5.) William Chen, Anand Srivastav, Giancarlo Travaglino: *A Panorama of Discrepancy Theory*, Springer Book: Nils Hebbinghaus, Anand Srivastav: *Multicolor Discrepancy of Arithmetic Structures*, Pages 319-424 (2014)
- 6.) Nils Hebbinghaus, Anand Srivastav: *Discrepancy of Centered Arithmetic Progressions in \mathbb{Z}_p* . *European Journal of Combinatorics* 35:324-334 (2014)
- 7.) Sebastian Eggert, Lasse Kliemann, Peter Munstermann, Anand Srivastav: *Bipartite Matching in the Semi-streaming Model*. *Algorithmica* 63(1-2): 490-508 (2012). DOI:10.1007/s00453-011-9556-8
- 8.) Nils Hebbinghaus, Tomasz Schoen, Anand Srivastav: *One-Sided Discrepancy of linear hyperplanes in finite vector spaces*. In: *Analytic Number Theory, Essays in Honour of Klaus Roth*. Ed. by William W. L. Chen, William T. Gowers, Heini Halberstam, Wolfgang M. Schmidt, Robert Charles Vaughan, Cambridge University Press, Cambridge 2009, pp. 205-223 (2009).
- 9.) Lasse Kliemann, Anand Srivastav: *Parallel Algorithms via the Probabilistic Method*. *Parallel Computing: Models, Algorithms, and Applications*. Ed. by Sanguthevar Rajasekaran, John H. Reif, Chapman & Hall/CRC, chapter 18, pp.1-61 (2007).
- 10.) Andreas Baltz, Devdatt Dubhashi, Anand Srivastav, Libertad Tansini, Sören Werth: *Probabilistic Analysis for a Multiple Depot Vehicle Routing Problem*. *Random Structures and Algorithms* 30(1-2): 206-225 (2007). DOI:10.1002/rsa.20156.