

Matúš Mihaľák - List of Publications

Publications (reviewed articles):

- T. Erlebach, A. Hall and M. Mihaľák: *Approximate Discovery of Random Graphs*. Proceedings of the 4th Symposium on Stochastic Algorithms, Foundations, and Applications (SAGA), Springer LNCS (2007), to appear.
- B. Gfeller, M. Mihaľák, S. Suri, E. Vicari and P. Widmayer: *Counting Targets with Mobile Sensors in an Unknown Environment*. Proceedings of the 3rd International Workshop on Algorithmic Aspects of Wireless Sensor Networks (ALGOSENSORS), Springer LNCS (2007), to appear.
- Ch. Ambühl, T. Erlebach, M. Mihaľák and M. Nunkesser: *Constant-factor approximation for minimum-weight (connected) dominating sets in unit disk graphs*. Proceedings of the 9th International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX), Springer LNCS (2006), 3–14. Springer-Verlag (2006).
- T. Erlebach, A. Hall, M. Hoffmann and M. Mihaľák: *Network Discovery and Verification with Distance Queries*. In Proceedings of the 6th Italian Conference on Algorithms and Complexity (CIAC), Springer LNCS (2006), 69–80. Springer-Verlag (2006).
- Z. Beerliova, F. Eberhard, T. Erlebach, A. Hall, M. Hoffmann, M. Mihaľák and L. S. Ram: *Network Discovery and Verification*. Proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science (WG), Springer LNCS (2005), 127–138. Springer-Verlag (2005).
- Thomas Erlebach, Riko Jacob, Matúš Mihaľák, Marc Nunkesser, Gábor Szabó, Peter Widmayer: *Joint Base Station Scheduling*. Proceedings of the 2nd Workshop on Approximation and Online Algorithms (WAOA), Springer LNCS (2004), 225–238. Springer-Verlag (2004).
- Thomas Erlebach, Riko Jacob, Matúš Mihaľák, Marc Nunkesser, Gábor Szabó, Peter Widmayer: *An Algorithmic View on OVFSF Code Assignment*. Proceedings of the 21st Symposium on Theoretical Aspect of Computers Science (STACS), Springer LNCS (2004), 270–281. Springer-Verlag (2004).
- Ivan Kočiš, Matúš Mihaľák: *Authentication of Paper Printed Documents using Paper Characteristics*. In Proceedings of the Conference on Security and Protection of Information (SPI), 103–106, 2003. Proceedings available online at <http://www.vabo.cz/spi/ostatni/proceed2003.pdf>.

Publications (tech. reports):

- A. Barrat, A. Hall and M. Mihaľák: *Network Discovery on Snapshots of the Internet Graph*. DELIS Technical Report No. 0465, December 2006. Available online at <http://www.delis.upb.de/docs/tr-abst-0465.html>.
- Ch. Ambühl, T. Erlebach, M. Mihaľák and M. Nunkesser: *Constant-factor approximation for minimum-weight (connected) dominating sets in unit disk graphs*. Research Report in Computer Science No. CS-06-008, June 2006. Available online at <http://www.cs.le.ac.uk/publications/techreports/2006/CS-06-008.pdf>.
- T. Erlebach, A. Hall, M. Hoffmann and M. Mihaľák: *Network Discovery and Verification with Distance Queries*. Research Report in Computer Science No. CS-06-002, March 2006. Available online at <http://www.cs.le.ac.uk/publications/techreports/2006/CS-06-002.pdf>.
- T. Erlebach, R. Jacob, M. Mihaľák, M. Nunkesser, G. Szabo and P. Widmayer: *Joint Base Station Scheduling*. Technical Report No. 462, ETH Zurich, 2004. Available online at <ftp://ftp.inf.ethz.ch/pub/publications/tech-reports/4xx/462.pdf>.
- Thomas Erlebach, Riko Jacob, Matúš Mihaľák, Marc Nunkesser, Gábor Szabó, Peter Widmayer: *An Algorithmic View on OVFSF Code Assignment*. TIK-report Nr. 173, August 2003. Available online at <ftp://ftp.tik.ee.ethz.ch/pub/publications/TIK-Report173.pdf>.

Publications (other):

- Matúš Mihaľák: *Optimization Problems in Communication Networks*. PhD thesis, University of Leicester, Leicester, October 2006.

- Matúš Mihaľák: *Extraction of Robust Features for Recognition of Scanned Paper for Document authentication*. Master's Thesis, Comenius University, Bratislava, April 2002.