

## Ondřej Suchý - List of Publications

### Journal Papers

- A1. J. GUO, S. HARTUNG, R. NIEDERMEIER, AND O. SUCHÝ: *The Parameterized Complexity of Local Search for TSP, More Refined*.  
Algorithmica //0.604, vol. 67, no. 1, pp. 89–110, Springer-Verlag, Berlin Heidelberg, 2013.
- A2. B.-M. BUI-XUAN, O. SUCHÝ, J.A. TELLE, AND M. VATSHELLE: *Feedback Vertex Set on Graphs of Low Clique-Width*.  
The European Journal of Combinatorics //0.677, Special Issue on Selected Papers from 20<sup>th</sup> International Workshop on Combinatorial Algorithms, IWOCA 2009, vol. 34, no. 3, pp. 666–679, Elsevier, 2013.
- A3. P. GOLOVACH, J. KRATOCHVÍL, AND O. SUCHÝ: *Parameterized Complexity of Generalized Domination Problems*.  
Discrete Applied Mathematics //0.795, vol. 160, no. 6, pp. 780–792, Elsevier, 2012.
- A4. J. GUO, R. NIEDERMEIER, AND O. SUCHÝ: *Parameterized Complexity of Arc-Weighted Directed Steiner Problems*.  
SIAM Journal on Discrete Mathematics //0.648, vol. 25, no. 2, pp. 583–599, Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, 2011.
- A5. E. JELÍNKOVÁ, O. SUCHÝ, P. HLINĚNÝ, AND J. KRATOCHVÍL: *Parameterized Problems Related to Seidel’s Switching*.  
Discrete Mathematics & Theoretical Computer Science //0.465, vol. 13, no. 2, pp. 19–42, 2011.
- A6. E. JELÍNKOVÁ, J. KÁRA, J. KRATOCHVÍL, M. PERGEL, O. SUCHÝ, AND T. VYSKOČIL: *Clustered Planarity: Small Clusters in Cycles and Eulerian Graphs*.  
Journal of Graph Algorithms and Applications, Special Issue on Selected Papers from the Fifteenth International Symposium on Graph Drawing, GD 2007, vol. 13, no. 3, pp. 379–422, 2009.

### Papers in Proceedings of Peer-Reviewed International Conferences

- B1. M. JONES, D. LOKSHTANOV, M.S. RAMANUJAN, S. SAURABH, AND O. SUCHÝ: *Parameterized Complexity of Directed Steiner Tree on Sparse Graphs*  
Proceedings of The 21<sup>st</sup> Annual European Symposium on Algorithms, ESA 2013, Lecture Notes in Computer Science, vol. 8125, pp. 671–682, Springer-Verlag, Berlin Heidelberg, 2013.
- B2. R. VAN BEVERN, R. BREDERECK, M. CHOPIN, S. HARTUNG, F. HÜFFNER, A. NICTERLEIN, AND O. SUCHÝ: *Parameterized Complexity of DAG Partitioning*  
Proceedings of The 8<sup>th</sup> International Conference on Algorithms and Complexity, CIAC 2013, Lecture Notes in Computer Science, vol. 7878, pp. 49–60, Springer-Verlag, Berlin Heidelberg, 2013.
- B3. S. HARTUNG, A. NICTERLEIN, R. NIEDERMEIER, AND O. SUCHÝ: *A Refined Complexity Analysis of Identity Anonymization on Graphs*  
Proceedings of The 40<sup>th</sup> International Colloquium on Automata, Languages and

- Programming, ICALP 2013, Lecture Notes in Computer Science, vol. 7966, pp. 600–612, Springer-Verlag, Berlin Heidelberg, 2013.
- B4. R. BREDERECK, J. CHEN, S. HARTUNG, C. KOMUSIEWICZ, R. NIEDERMEIER, AND O. SUCHÝ: *On Explaining Integer Vectors by Few Homogenous Segments*  
Proceedings of The Algorithms and Data Structures Symposium, WADS 2013, Lecture Notes in Computer Science, vol. 8037, pp. 207–218, Springer-Verlag, Berlin Heidelberg, 2013.
- B5. V. RAMAN, S. SAURABH, AND O. SUCHÝ: *An FPT algorithm for Tree Deletion Set*  
Proceeding of The 7<sup>th</sup> International Workshop on Algorithms and Computation, WALCOM 2013, Lecture Notes in Computer Science, vol. 7748, pp. 286–297, Springer-Verlag, Berlin Heidelberg, 2013.
- B6. M. MNICH, G. PHILIP, S. SAURABH, AND O. SUCHÝ: *Beyond Max-Cut:  $\lambda$ -Extendible Properties Parameterized Above the Poljak-Turzík Bound*  
Proceedings of The 32<sup>nd</sup> Annual Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS 2012, Leibniz International Proceedings in Informatics (LIPIcs), vol. 18, pp. 412–423, Schloss Dagstuhl-Leibniz Center for Informatics, 2012.  
preprint available online, see C3.
- B7. R. BREDERECK, J. CHEN, S. HARTUNG, R. NIEDERMEIER, O. SUCHÝ, AND S. KRATSCH: *A Multivariate Complexity Analysis of Lobbying in Multiple Referenda*  
Proceedings of The Twenty-Sixth Conference on Artificial Intelligence, AAI 12, pp. 1292–1298, AAI Press, 2012.
- B8. J. GUO, S. HARTUNG, R. NIEDERMEIER, AND O. SUCHÝ: *The Parameterized Complexity of Local Search for TSP, More Refined.*  
Proceedings of The 22<sup>nd</sup> International Symposium on Algorithms and Computation, ISAAC 2011, Lecture Notes in Computer Science, vol. 7074, pp. 614–623, Springer-Verlag, Berlin Heidelberg, 2011.  
journal version available, see A1.
- B9. R. ENCISO, M.R. FELLOWS, J. GUO, I. KANJ, F. ROSAMOND, AND O. SUCHÝ: *What Makes Equitable Connected Partition Easy.*  
Proceedings of The 4<sup>th</sup> International Workshop on Parameterized and Exact Computation, IWPEC 2009, Lecture Notes in Computer Science, vol. 5917, pp. 122–133, Springer-Verlag, Berlin Heidelberg, 2010.
- B10. P. GOLOVACH, J. KRATOCHVÍL, AND O. SUCHÝ: *Parameterized Complexity of Generalized Domination Problems.*  
Proceedings of The 35<sup>th</sup> International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2009, Lecture Notes in Computer Science, vol. 5911, pp. 133–142, Springer-Verlag, Berlin Heidelberg, 2010.  
journal version available, see A3.
- B11. J. GUO, R. NIEDERMEIER, AND O. SUCHÝ: *Parameterized Complexity of Arc-Weighted Directed Steiner Problems.*  
Proceedings of The 20<sup>th</sup> International Symposium on Algorithms and Computation, ISAAC 2009, Lecture Notes in Computer Science, vol. 5878, pp. 544–553,

- Springer-Verlag, Berlin Heidelberg, 2009.  
journal version available, see A4.
- B12. V. JELÍNEK, O. SUCHÝ, M. TESAŘ, AND T. VYSKOČIL: *Clustered Planarity: Clusters with Few Outgoing Edges*.  
Proceedings of The 16<sup>th</sup> International Symposium on Graph Drawing, GD 2008, Lecture Notes in Computer Science, vol. 5417, pp. 102–113, Springer-Verlag, Berlin Heidelberg, 2009.
- B13. E. JELÍNKOVÁ, J. KÁRA, J. KRATOCHVÍL, M. PERGEL, O. SUCHÝ, AND T. VYSKOČIL: *Clustered Planarity: Small Clusters in Eulerian Graphs*.  
Proceedings of The 15<sup>th</sup> International Symposium on Graph Drawing, GD 2007, Lecture Notes in Computer Science, vol. 4875, pp. 303–314, Springer-Verlag, Berlin Heidelberg, 2008.  
journal version available, see A6.
- B14. O. SUCHÝ: *Some Parameterized Problems Related to Seidel’s Switching*.  
Proceedings of The First International Workshop on Combinatorial Algorithms, IWOCOA 2007, pp. 148–157, College Publications, United Kingdom, 2008.  
journal version available, see A5.

### To Appear

- B15. R. VAN BEVERN, A.E. FELDMANN, M. SORGE, AND O. SUCHÝ: *On the Parameterized Complexity of Graph Bisections*  
to appear in Proceedings of The 39<sup>th</sup> International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2013, Lecture Notes in Computer Science, Springer-Verlag, Berlin Heidelberg, 2013.
- B16. J. CHEN, C. KOMUSIEWICZ, R. NIEDERMEIER, M. SORGE, O. SUCHÝ, AND M. WELLER: *Effective and Efficient Data Reduction for the Minimum Topic-Connected Overlay Problem*  
to appear in Proceedings of The 24<sup>th</sup> International Symposium on Algorithms and Computation, ISAAC 2013, Lecture Notes in Computer Science, Springer-Verlag, Berlin Heidelberg, 2013.

### Other Publications

- C1. S. HARTUNG, C. KOMUSIEWICZ, A. NICTERLEIN, AND O. SUCHÝ: *On Structural Parameterizations for the 2-Club Problem*  
Arxiv: <http://arxiv.org/abs/1305.3735>, 2013.
- C2. M. JONES, D. LOKSHTANOV, M. S. RAMANUJAN, S. SAURABH, AND O. SUCHÝ: *Parameterized Complexity of Directed Steiner Tree on Sparse Graphs*  
Arxiv: <http://arxiv.org/abs/1210.0260>, 2012.
- C3. M. MNICH, G. PHILIP, S. SAURABH, AND O. SUCHÝ: *Beyond Max-Cut:  $\lambda$ -Extendible Properties Parameterized Above the Poljak-Turzík Bound*  
Arxiv: <http://arxiv.org/abs/1207.5696>, 2012.
- C4. O. SUCHÝ: *Parameterized Complexity — Nonstandard Parameterizations of Graph Problems*.  
Doctoral Thesis, 146 pages, Department of Applied Mathematics, Charles University in Prague, 2011.

- C5. O. SUCHÝ: *Some Parameterized Problems Related to Seidel's Switching*.  
Week of Doctoral Students, WDS 2007 - Proceedings of Contributed Papers,  
Part I, pp. 23–28, Matfyzpress, Prague, 2007.
- C6. O. SUCHÝ: *Parametrizovaná složitost v teorii grafů (Parameterized Complexity in Graph Theory)*.  
Master's Thesis (in Czech), 53 pages, Charles University in Prague, 2006.