
Dr. Petr Hliněný: Curriculum Vitae

November 15, 2011

Name	Petr Hliněný
Born	October 14, 1971, Ostrava, Czech Republic
Current position	Associate professor
Affiliation	Faculty of Informatics, Masaryk University, Botanická 68a, 602 00 Brno, Czech Rep.
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1.1 Academic Education

- **1995, Mgr.** (equivalent M.Sc.) in Computer Science, Faculty of Mathematics and Physics, Charles University, Czech Republic.
- **1999, PhD.** in Algorithms, Combinatorics, and Optimization (advisor Prof. Robin Thomas), Dissertation “Planar Covers of Graphs: Negami’s Conjecture”, School of Mathematics, Georgia Institute of Technology, Atlanta, Georgia, USA.
- **2000, PhD.** in Combinatorics and Discrete Mathematics, (advisor Prof. Jan Kratochvíl), Dissertation “Contact Representations of Graphs”, Faculty of Mathematics and Physics, Charles University, Czech Republic.
- **2003, Habilitation** in Computer Science, Habilitation work “Computational Aspects of Representable Matroids”, VŠB – Technical University of Ostrava, Czech Republic.

1.2 Research interests

Discrete mathematics / Theoretical computer science:

- Geometrical representations of graphs and their recognition, related algorithms.
- Graph embeddings on surfaces, and mainly crossing number problems – structural results and algorithmic complexity, approximation algorithms.
- Matroid representations, structural properties of matroid branch-width / tree-width. Matroid computations (MACEK), exhaustive generation via a computer.

- Parametrized complexity of combinatorial problems. Tree- and branch-decompositions of graphs, parameterized algorithms on tree-structured graphs (on their parse trees) and related formal tools.
- Alternative structural “width” parameters, rank-width and bi-rank-width and their parse trees, parameterized algorithms on graphs of bounded rank-width. Extensions of traditional width parameters on digraphs.

1.3 Professional experience

1. Faculty of Mathematics and Physics, Charles University, Czech Republic, 1995–1997.
 - Graduate student in Discrete Mathematics;
 - editor of KAM Preprint Series, 1996–1997.
2. School of Mathematics, Georgia Institute of Technology, USA, 1998–1999.
 - Graduate student in Algorithms, Combinatorics and Optimization.
3. The Fields Institute, University of Toronto, Canada, 1999–2000.
 - J.E. Marsden Distinguished Postdoctoral Fellow (a special year on combinatorics);
4. School of Mathematical and Computing Sciences, Victoria University, New Zealand, 2000–2002.
 - Postdoctoral research fellow, supported by a New Zealand Marsden Fund research grant to Geoff Whittle.
5. Institute of Theoretical Computer Science, Charles University, 2000–2004.
 - Research fellow (part-time), project LN00A056 of the Ministry of Education.
6. Institute of Mathematics and Computer Science, Matej Bel University, Slovakia, 2002–2004.
 - Research fellow (part-time from 2003);
 - teaching courses in Number Theory, Algebra, Probabilistic Algorithms, and in Graph Theory (2002–2003);
 - holder of the grant project VEGA 1/1002/04 (Branch-Width of Graphs and Matroids in Relations to Logic and Parametrized Complexity 2004–2005);
 - managing editor of Acta Univ. Matthiae Belii—Mathematics, 2002–current.
7. Department of Computer Science, Technical University Ostrava, Czech Republic, 2003–2007.
 - Associate professor;

- teaching courses in Discrete mathematics, Theoretical Computer Science, and Optimization for computer science students;
- holder of the grant projects GAČR 201/05/0050 (Structural properties and algorithmic complexity of discrete problems, 2005–2007) and FRVŠ 2270/2005 (Výuka optimalizačních úloh, 2005), participation in the research project 1ET101940420.

8. Faculty of Informatics, Masaryk University Brno, Czech Republic, since 2005–.

- Associate professor;
- teaching courses in Introduction to CS, Graph Theory, and further advanced courses in Optimization, Graph Theory, and Matroid Theory;
- participation in the research center Institute of Theoretical Computer Science (ITI), project 1M0545, and in the research intent CEZ 0021622419;
- holder of the grant projects GAČR 201/08/0308 and GAČR 201/09/J021.

1.4 Scientific awards and grants

- The first place at the Czechoslovak mathematical olympiad, second prizes at the International mathematical olympiads in Braunschweig (1989) and Beijing (1990).
- Bolzano prize in Computer Science for the work “Contact Graphs of Curves” at the Faculty of Mathematics and Physics, Charles University in 1995.
- Jerrold E. Marsden Distinguished Postdoctoral Fellowship at The Fields Institute, Toronto, Canada in 1999/2000.
- Research grant project VEGA 1/1002/04 (“Branch-Width of Graphs and Matroids in Relations to Logic and Parametrized Complexity”), 2004–2005.
- Research grant project GAČR 201/05/0050 (“Structural properties and algorithmic complexity of discrete problems”), 2005–2007.
- Research grant project GAČR 201/08/0308 (“Utilization of Structural and Width Parameters in Combinatorics and Algorithmic Complexity”), 2008–2010.
- Billateral research grant project GAČR 201/09/J021 (“Structural Graph Theory and Parameterized Complexity”), with P. Rossmanith, RWTH Aachen, 2009–2010.
- Journal of Combinatorial Theory, ser. B, Top cited article 2005-2010 award.
- Research grant project GAČR P202/11/0196 (“Well-structured combinatorial classes, width parameters, and design of efficient algorithms”), 2011–2013.

Dr. Petr Hliněný: Publications

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2.1 Petr Hliněný: Journal publications

- [1] 1995 (co-author A. Kuběna): A note on intersection dimensions of graph classes. *Comment. Math. Univ. Carolinae* 36 (1995), 255–261. (number of citations 3)
- [2] 1998: The maximal clique and colourability of curve contact graphs. *Discrete Applied Mathematics* 81 (1998), 59–68.
- [3] 1998: $K_{4,4} - e$ has no finite planar cover. *Journal of Graph Theory* 27 (1998), 51–60. (number of citations 10)
- [4] 1998: Classes and recognition of curve contact graphs. *J. of Combinatorial Theory ser. B* 74 (1998), 87–103. (number of citations 4)
- [5] 1999: A note on possible extensions of Negami’s conjecture. *Journal of Graph Theory* 32 (1999), 234–240. (number of citations 3)
- [6] 2001 (co-author J. Kratochvíl): Representing graphs by disks and balls (a survey of recognition complexity results). *Discrete Math.* 229 (2001), 101–124. (number of citations 22)
- [7] 2001: Contact graphs of line segments are NP-complete. *Discrete Math.* 235 (2001), 95–106. (number of citations 5)
- [8] 2001: An Addition to Art Galleries with Interior Walls. *Discrete Comput. Geom.* 25 (2001), 311–314. (number of citations 1)
- [9] 2001: Another two graphs with no planar covers. *Journal of Graph Theory* 37 (2001), 227–242. (number of citations 3)
- [10] 2002: On the Excluded Minors for Matroids of Branch-Width Three. *Electr. Journal of Combinatorics* 9 (2002), www.combinatorics.org, #R32. (number of citations 3)
- [11] 2003: Crossing-Number Critical Graphs have Bounded Path-Width. *J. of Combinatorial Theory ser. B* 88 (2003), 347–367. (number of citations 17)
- [12] 2003: A new Proof for Chordal Graphs. *Acta Math. Univ. M. Belii* 10 (2003), 17–19.

- [13] 2004 (co-author R. Thomas): On possible counterexamples to Negami’s planar cover conjecture. *Journal of Graph Theory* 46 (2004), 183–206. (number of citations 5)
- [14] 2004: Using a Computer in Matroid Theory Research. *Acta Math. Univ. M. Belii* 11 (2004), 27–44.
- [15] 2005 (co-authors J.F. Geelen, G. Whittle): Bridging Separations in Matroids. *SIAM J. Discrete Math.* 18 (2005), 638–646. (number of citations 1)
- [16] 2005: A Parametrized Algorithm for Matroid Branch-Width. *SIAM J. Computing* 35 (2005), 259–277. (number of citations 11)
- [17] 2005: Combinatorial Generation of Matroid Representations: Theory and Practice. *Acta Math. Univ. M. Belii* 12 (2005), 31–41.
- [18] 2006 (co-author D. Seese): Trees, Grids, and MSO Decidability: from Graphs to Matroids. *Theor. Comp. Sci.* 351 (2006), 372–393. (number of citations 2)
- [19] 2006: Equivalence-free exhaustive generation of matroid representations. *Discrete Appl. Math.* 154 (2006), 1210–1222.
- [20] 2006: Branch-Width, Parse Trees, and Monadic Second-Order Logic for Matroids. *J. of Combinatorial Theory ser. B* 96 (2006), 325–351. (number of citations 4)
- [21] 2006: Crossing Number is Hard for Cubic Graphs. *J. of Combinatorial Theory ser. B* 96 (2006), 455–471. (number of citations 18)
- [22] 2006: The Tutte Polynomial for Matroids of Bounded Branch-Width. *Combin. Prob. Computing* 15 (2006), 397–409. (number of citations 3)
- [23] 2006 (co-authors L.A. Goddyn, W. Hochstättler): Balanced Signings and the Chromatic Number of Oriented Matroids. *Combin. Prob. Computing* 15 (2006), 523–539. (number of citations 3)
- [24] 2006 (co-author G. Whittle): Matroid Tree-Width. *Europ. J. Combin.* 27 (2006), 1117–1128. (number of citations 15)
- [25] 2006 (co-authors O. Gimenez, M. Noy): Computing the Tutte Polynomial on Graphs of Bounded Clique-Width. *SIAM J. Discrete Math* 20 (2006), 932–946. (number of citations 7)
- [26] 2007: Some Hard Problems on Matroid Spikes. *Theory of Computing Systems* 41 (2007), 551–562. (number of citations 3)
- [27] 2007 (co-authors I. Gitler, J. Leanos, G. Salazar): The crossing number of a projective graph is quadratic in the face-width (Extended abstract). *In: EUROCOMB 2007, Electronic Notes in Discrete Mathematics* 29C, Elsevier (2007), 219–223.
- [28] 2008 (co-authors S. Oum, D. Seese, G. Gottlob): Width Parameters Beyond Tree-width and Their Applications. *Invited survey paper, Computer Journal* 51 (2008), 326–362. (number of citations 26)
- [29] 2008 (co-authors I. Gitler, J. Leanos, G. Salazar): The crossing number of a projective graph is quadratic in the face-width. *Electr. Journal of Combinatorics* 15 (2008), www.combinatorics.org, #R46. (number of citations 4)

- [30] 2008 (co-author S. Oum): Finding Branch-decompositions and Rank-decompositions. *SIAM J. Computing* 38 (2008), 1012–1032. (number of citations 21)
- [31] 2008: New infinite families of almost-planar crossing-critical graphs. *Electronic Journal of Combinatorics* 15 (2008), #R102. (number of citations 3)
- [32] 2009 (co-author G. Whittle): Addendum to Matroid Tree-Width. *Europ. J. Combin.* 30 (2009), 1036–1044. (number of citations 4)
- [33] 2010 (co-author R. Ganian): On Parse Trees and Myhill–Nerode–type Tools for handling Graphs of Bounded Rank-width. *Discrete Applied Mathematics* 158 (2010), 851–867. (number of citations 5)
- [34] 2010 (co-author G. Salazar): Stars and Bonds in Crossing-Critical Graphs. *Journal of Graph Theory* 65 (2010), 198–215. (number of citations 2)
- [35] 2010: 20 Years of Negami’s Planar Cover Conjecture. *Graphs and Combinatorics* 26 (2010), 525–536. (number of citations 1)
- [36] 2011 (co-authors E. Jelínková, O. Suchý, J. Kratochvíl): Parameterized Problems Related to Seidel’s Switching. *Discrete Mathematics & Theoretical Computer Science* 13 (2011), 19–44.
- [37] 2011 (co-authors M. Chimani, P. Mutzel): Vertex Insertion approximates the Crossing Number for Apex Graphs. *Europ. J. Combin.* (2011?), to appear.

2.2 Petr Hliněný: Refereed proceedings

- [38] 1996: Contact graphs of curves (extended abstract). *In: Graph Drawing GD ’95 (F.J. Brandenburg ed.)*, Lecture Notes in Computer Science 1027, Springer Verlag Berlin Heidelberg (1996), 312–323. (number of citations 2)
- [39] 1997 (co-author J. Kratochvíl): Computational complexity of the Krausz dimension of graphs. *In: Graph-Theoretic Concepts in Computer Science WG ’97*, Lecture Notes in Computer Science 1335, Springer Verlag Berlin (1997), 214–228. (number of citations 5)
- [40] 1997: Touching graphs of unit balls. *In: Graph Drawing GD ’97 (G. di Batista ed.)*, Lecture Notes in Computer Science 1353, Springer Verlag, Berlin (1997), 350–358.
- [41] 2002: Crossing-Critical Graphs and Path-Width. *In: Graph Drawing GD 2001 (P. Mutzel, M. Junger, S. Leipert Eds.)*, Lecture Notes in Computer Science 2265, Springer Verlag (2002), 102–114. (number of citations 7)
- [42] 2003 (co-author G. Whittle): Tree-Width and Matroids (extended abstract). *In: Eurocomb’03, ITI Series 2003–145*, MFF Charles University, Prague (2003), 5 p.
- [43] 2003: Branch-Width, Parse Trees, and Monadic Second-Order Logic for Matroids (Extended Abstract). *In: Theoretical Aspects of Computer Science STACS 2003 (H. Alt and M. Habib Eds.)*, Lecture Notes in Computer Science 2607, Springer Verlag (2003), 319–330. (number of citations 12)

- [44] 2003: On Matroid Properties Definable in the MSO Logic. *In: Math Foundations of Computer Science MFCS 2003*, Lecture Notes in Computer Science 2747, Springer Verlag (2003), 470–479. *(number of citations 6)*
- [45] 2004: Crossing Number is Hard for Cubic Graphs (extended abstract). *In: Math Foundations of Computer Science MFCS 2004*, Lecture Notes in Computer Science 3153, Springer Verlag (2004), 772–782. *(number of citations 5)*
- [46] 2004 (co-author D. Seese): On Decidability of MSO Theories of Representable Matroids. *In: IWPEC 2004 Proceedings*, Lecture Notes in Computer Science 3162, Springer Verlag (2004), 96–107.
- [47] 2005 (co-authors O. Gimenez, M. Noy): Computing the Tutte Polynomial on Graphs of Bounded Clique-Width (extended abstract). *In: Proceedings WG 2005*, Lecture Notes in Computer Science 3787, Springer Verlag (2005), 59–68. *(number of citations 3)*
- [48] 2006: On Matroid Representability and Minor Problems. *In: Math Foundations of Computer Science MFCS 2006*, Lecture Notes in Computer Science 4162, Springer Verlag (2006), 505–516. *(number of citations 3)*
- [49] 2007 (co-author G. Salazar): On the Crossing Number of Almost Planar Graphs. *In: Graph Drawing GD 2006*, Lecture Notes in Computer Science 4372, Springer Verlag (2007), 162–173. *(number of citations 8)*
- [50] 2007 (co-author S. Oum): Finding branch-decompositions and rank-decompositions (extended abstract). *In: ESA 2007*, Lecture Notes in Computer Science 4698, Springer Verlag (2007), 163–174. *(number of citations 4)*
- [51] 2007: Combinatorial Generation of Matroid Representations: Theory and Practice. *In: Proceedings of the 3rd Asian Applied Computing Conference, Kathmandu, Nepal, December 10–12, 2005*, Advances in Computer Science and Engineering: Reports and Monographs – Vol. 2, Imperial College Press, 2007, 3–7.
- [52] 2007 (co-author G. Salazar): Approximating the Crossing Number of Toroidal Graphs. *In: ISAAC 2007*, Lecture Notes in Computer Science 4835, Springer Verlag (2007), 148–159. *(number of citations 6)*
- [53] 2008 (co-author G. Salazar): Stars and Bonds in Crossing-Critical Graphs (Extended abstract). *In: TGGT 2008 (Paris)*, *Electronic Notes in Discrete Mathematics* 31, Elsevier (2008), 271–275.
- [54] 2008 (co-author R. Ganian): Automata Approach to Graphs of Bounded Rank-width. *In: IWOCA 2008*, Proceedings, 4–15. *(number of citations 2)*
- [55] 2009 (co-authors M. Chimani, P. Mutzel): Approximating the Crossing Number of Apex Graphs. *In: Graph Drawing 2008*, Lecture Notes in Computer Science 5417, Springer Verlag (2009), 432–434. *(number of citations 2)*
- [56] 2009 (co-author R. Ganian): Better Polynomial Algorithms on Graphs of Bounded Rank-width. *In: IWOCA 2009*, Lecture Notes in Computer Science 5874, Springer (2009), 266–277.

- [57] 2009 (co-authors R. Ganian, J. Kneis, A. Langer, J. Obdržálek, P. Rossmanith): On Digraph Width Measures in Parameterized Algorithmics (extended abstract). *In: IWPEC 2009*, Lecture Notes in Computer Science 5917, Springer (2009), 185–197. *(number of citations 2)*
- [58] 2010 (co-author M. Chimani): Approximating the Crossing Number of Graphs Embeddable in Any Orientable Surface. *In: SODA 2010*, ACM–SIAM (2010), 918–927. *(number of citations 3)*
- [59] 2010 (co-author R. Ganian): New results on the complexity of oriented colouring on restricted digraph classes. *In: SOFSEM 2010*, Lecture Notes in Computer Science 5901 (2010), 428–439.
- [60] 2010 (co-authors R. Ganian, J. Kneis, D. Meister, J. Obdržálek, P. Rossmanith, S. Sikdar): Are there any good digraph width measures?. *In: IPEC 2010*, Lecture Notes in Computer Science 6478, Springer Verlag (2010), 135–146. *(number of citations 1)*
- [61] 2010 (co-authors R. Ganian, J. Obdržálek): Better algorithms for satisfiability problems for formulas of bounded rank-width. *In: FSTTCS 2010*, Leibniz International Proceedings in Informatics LIPIcs, Vol. 8, Dagstuhl (2010), 73–83.
- [62] 2011 (co-authors R. Ganian, J. Obdržálek): Clique-width: When Hard Does Not Mean Impossible. *In: STACS 2011*, Leibniz International Proceedings in Informatics LIPIcs Vol 9, Dagstuhl (2011), 404–415.
- [63] 2011 (co-author M. Chimani): A Tighter Insertion-based Approximation of the Crossing Number. *In: ICALP 2011, Part I*, Lecture Notes in Computer Science 6755, Springer (2011), 122–134.
- [64] 2011 (co-author O. Moriš): Scope-based route planning. *In: ESA 2011*, Lecture Notes in Computer Science 6942, Springer (2011), 445–456.
- [65] 2011 (co-authors M. Chimani, M. Derka, M. Klusáček): How Not to Characterize Planar-emulable Graphs. *In: IWOCA 2011*, Lecture Notes in Computer Science, Springer (2011?), to appear.
- [66] 2012 (co-author O. Moriš): Generalized Maneuvers in Route Planning. *In: MEMICS 2011*, Lecture Notes in Computer Science, Springer (2012?), to appear.

2.3 Petr Hliněný: Other publications

- [67] 1995: Contact graphs of curves (in Czech). *Master thesis*, MFF Charles University, Prague (1995), 50 p.
- [68] 1995: Contact graphs of curves. *KAM Series 95–285*, MFF Charles University, Prague (1995), 40 p.
- [69] 1996: $K_{4,4} - e$ has no finite planar cover. *KAM Series 96–312*, MFF Charles University, Prague (1996), 16 p.

- [70] 1997 (co-author J. Kratochvíl): Computational complexity of the Krausz dimension of graphs. *KAM Series* 97–347, MFF Charles University, Prague (1997), 18 p.
- [71] 1998: A note on possible extensions of Negami’s conjecture. *KAM Series* 98–408, MFF Charles University, Prague (1998), 10 p.
- [72] 1999: Planar covers of graphs: Negami’s conjecture. *PhD. Dissertation*, School of Math., Georgia Institute of Technology (1999), 132 p. *(number of citations 2)*
- [73] 2000: Contact Representations of Graphs. *PhD. Dissertation*, MFF Charles University, Prague (2000), 93 p.
- [74] 2000: An Addition to Art Galleries with Interior Walls. *KAM Series* 2000–467, MFF Charles University, Prague (2000), 9 p.
- [75] 2003: Complexity Aspects of Matroid Branch-Width. *ITI Series* 2003–114, MFF Charles University, Prague (2003), 95 p.
- [76] 2003: Computational Aspects of Representable Matroids. *Habilitation work*, FEI TU Ostrava (2003), 108 p.
- [77] 2003: On High-Degree Crossing-Critical Graphs. *ITI Series* 2003–138, MFF Charles University, Prague (2003), 10 p.
- [78] 2004: Crossing Number is Hard for Cubic Graphs. *ITI Series* 2004–176, MFF Charles University, Prague (2004), 24 p.
- [79] 2004: Equivalence-free exhaustive generation of matroid representations. *ITI Series* 2004–213, MFF Charles University, Prague (2004), 16 p.
- [80] 2006: The MACEK Project – Practical Computation with Representable Matroids. *Software package (GPL)*, 2002–2007, <http://www.fi.muni.cz/~hlineny-/MACEK>.
This is a software package for practical structural computations with matroids represented over finite partial fields. *(number of citations 5)*
- [81] 2006 (co-author J. Obdržálek): On “Width” Parameters for Digraphs. *Manuscript* (2006), 11 p.
- [82] 2007: New almost-planar crossing-critical graph families. *ITI Series* 2007–344, MFF Charles University, Prague (2007), 9 p.
- [83] 2007: Approximating the Crossing Number of Toroidal Graphs. *ITI Series* 2007–356, MFF Charles University, Prague (2007), 17 p.

2.4 Petr Hliněný: Lecturing texts

- [84] 2000: Discharging technique in practice (lecture text). *KAM Series* 2000–475, MFF Charles University, Prague (2000), 10 p.
- [85] 2004: Diskrétní matematika (in Czech). *Lecturing text*, FEI TU Ostrava (2004), 166 p.

- [86] 2005: Úvod do teoretické informatiky (in Czech). *Lecturing text*, FEI TU Ostrava (2005), 154 p.
- [87] 2005: Optimalizační Úlohy (in Czech). *Lecturing text*, FEI TU Ostrava / FI MU Brno (2005,2007), 101 p.
- [88] 2006: Úvod do Informatiky (in Czech). *Lecturing text*, FI MU Brno (2006, 2007), 73 p.
- [89] 2007: Teorie grafů (in Czech). *Lecturing text*, FI MU Brno (2006, 2007), 106 p.

2.5 Petr Hliněný: Submitted papers

- [90] 2009 (co-authors R. Ganian, J. Obdržálek): Unified Approach to Polynomial Algorithms on Graphs of Bounded (bi-)Rank-width. *Submitted* (2009), 30 p.
- [91] 2010 (co-authors R. Ganian, J. Kneis, A. Langer, J. Obdržálek, P. Rossmanith): Digraph Width Measures in Parameterized Algorithmics. *Submitted* (2010), 34 p.
- [92] 2011 (co-authors M. Chimani, M. Derka, M. Klusáček): How Not to Characterize Planar-emulable Graphs. *Submitted* (2011), 26 p.
- [93] 2011 (co-authors R. Ganian, A. Langer, J. Obdržálek, P. Rossmanith, S. Sikdar): Lower Bounds on the Complexity of MSO1 Model-Checking. *Submitted* (2011), 12 p.
- [94] 2011 (co-authors R. Ganian, J. Obdržálek): Better algorithms for satisfiability problems for formulas of bounded rank-width. *Submitted* (2011), 16 p.

2.6 Petr Hliněný: Selected citations

- *Citations for the paper [1]*: Petr Hliněný, co-author A. Kuběna. A note on intersection dimensions of graph classes. *Comment. Math. Univ. Carolinae* 36 (1995), 255–261.
 1. J. Kratochvíl, Zs. Tuza: Intersection dimensions of graph classes. *Graphs Comb.* 10 (1994), 159–168.
 2. T.A. McKee, F.R. McMorris: Topics in intersection graph theory. *SIAM Monographs on Discrete Mathematics and Applications*, SIAM Philadelphia (1999), .
- *Citations for the paper [38]*: Petr Hliněný. Contact graphs of curves (extended abstract). *In: Graph Drawing GD '95 (F.J. Brandenburg ed.)*, Lecture Notes in Computer Science 1027, Springer Verlag Berlin Heidelberg (1996), 312–323.
 3. J. Kratochvíl: Intersection graphs of noncrossing arc-connected sets in the plane. *In: Graph Drawing GD '96 (S. North ed.)*, Lecture Notes in Computer Science 1190, Springer Verlag Berlin Heidelberg (1997), 257–270.
- *Citations for the paper [39]*: Petr Hliněný, co-author J. Kratochvíl. Computational complexity of the Krausz dimension of graphs. *In: Graph-Theoretic Concepts in Computer Science WG '97*, Lecture Notes in Computer Science 1335, Springer Verlag Berlin (1997), 214–228.
 4. E. Prisner: Intersection multigraphs of uniform hypergraphs. *Graphs Comb.* 14 (1998), 363–375.

5. I.E. Zverovich: Near-complete multipartite graphs and forbidden induced subgraphs. *Discrete Math.* 207 (1999), 257–262.
 6. P.V. Skums, S.V. Suzdal, R.I. Tyshkevich: Edge intersection graphs of linear 3-uniform hypergraphs. *Discrete Math.* 309 (2009), 3500–3517.
- *Citations for the paper [4]:* Petr Hliněný. Classes and recognition of curve contact graphs. *J. of Combinatorial Theory ser. B* 74 (1998), 87–103.
 7. A.L. Buchsbaum, E.R. Gansner, C.M. Procopiuc, S. Venkatasubramanian: Rectangular layouts and contact graphs. *ACM Transactions on Algorithms* 4 (2008), No. 8.
 8. D. Prot, C. Rapine, S. Constans, R. Fondacci: Using graph concepts to assess the feasibility of a sequenced air traffic flow with low conflict rate. *European Journal of Operational Research* 207 (2010), 184–196.
 - *Citations for the paper [6]:* Petr Hliněný, co-author J. Kratochvíl. Representing graphs by disks and balls (a survey of recognition complexity results). *Discrete Math.* 229 (2001), 101–124.
 9. J. Fiala, A.V. Fishkin, F.V. Fomin: Online and Offline Distance Constrained Labeling of Disk Graphs. *In: Algorithms – ESA 2001*, Lecture Notes in Computer Science 2161, Springer Verlag (2001), 464–475.
 10. T. Erlebach, J. Fiala: On-line coloring of geometric intersection graphs. *Computational Geometry* 23 (2002), 243–255.
 11. C. Ambühl, U. Wagner: On the Clique Problem in Intersection Graphs of Ellipses. *In: Algorithms and Computation*, Lecture Notes in Computer Science 2518, (2002), 489–500.
 12. Jeremy P. Spinrad: Efficient Graph Representations. *Fields Institute Monographs*, 19, AMS and Fields Institute (2003), .
 13. J. Fiala, A.V. Fishkin, F.V. Fomin: On distance constrained labeling of disk graphs. *Theoretical Computer Science* 326 (2004), 261–292.
 14. A. Fishkin: Disk graphs: A short survey. *In: Approximation and online algorithms*, Lecture Notes in Computer Science 2909 (2004), 260–264.
 15. I. Caragiannis, A. Fishkin, C. Kaklamanis, E. Papaioannou: Online Algorithms for Disk Graphs. *In: MFCS 2004*, Lecture Notes in Computer Science 3153, (2004), 215–226.
 16. I. Caragiannis, A. Fishkin, C. Kaklamanis, E. Papaioannou: A tight bound for online coloring of disk graphs. *In: International Colloquium on Structural Information and Communication Complexity*, Lecture Notes in Computer Science 3499, (2005), 79–88.
 17. T. Erlebach, K. Jansen, E. Seidel: Polynomial-time approximation schemes for geometric intersection graphs. *SIAM J. Computing* 34 (2005), 1302–1323.
 18. C. Ambühl, U. Wagner: The Clique Problem in Intersection Graphs of Ellipses and Triangles. *Theory of Computing Systems* 38 (2005), 279–292.
 19. T. Erlebach, J. Fiala: Independence and coloring problems on intersection graphs of disks. *In: Efficient Approximation and Online Algorithms*, Lecture Notes in Computer Science 3484, (2006), 135–155.
 20. T.S. Michael, T. Quint: Sphericity, cubicity, and edge clique covers of graphs. *Discrete Applied Mathematics* 154 (2006), 1309–1313.
 21. M. Kaufmann, J. Kratochvíl, K.A. Lehmann, A.R. Subramanian: Max-tolerance graphs as intersection graphs: Cliques, cycles, and recognition. *In: Proceedings of the Annual ACM-SIAM Symposium on Discrete Algorithms*, SIAM Philadelphia USA (2006), 832–841.

22. T. Calamoneri: The $L(h, k)$ -labelling problem: A survey and annotated bibliography. *Computer Journal* 49 (2006), 585–608.
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154. N. Kashyap: On minimal tree realizations of linear codes. *IEEE Transactions on Information Theory* 55 (2009), 3501–3519.
155. N. Kashyap: Constraint Complexity of Realizations of Linear Codes on Arbitrary Graphs. *IEEE Transactions on Information Theory* 55 (2009), 4864–4877.
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159. D. Král: Decomposition width of matroids. *In: Proceedings of the 37th international colloquium conference on Automata, languages and programming ICALP 10*, Lecture Notes in Computer Science 6198, Springer (2010), 55-66.
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- 166. D. Král: Decomposition width of matroids. *In: Proceedings of the 37th international colloquium conference on Automata, languages and programming ICALP 10*, Lecture Notes in Computer Science 6198, Springer (2010), 55–66.
- *Citations for the paper* [18]: Petr Hliněný, co-author D. Seese. Trees, Grids, and MSO Decidability: from Graphs to Matroids. *Theor. Comp. Sci.* 351 (2006), 372–393.
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- 171. F. Fomin, P. Golovach, D. Lokshtanov and S. Saurabh: Clique-width: On the Price of Generality. *In: Proceedings of ACM-SIAM Symposium on Discrete Algorithms SODA 2009*, SIAM (2009), 825–834.
- 172. B-M. Bui-Xuan, J.A. Telle, M. Vatshelle: Boolean-Width of Graphs. *In: Parameterized and Exact Computation*, Lecture Notes in Computer Science 5917, Springer (2009), 61–74.
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176. R. Niedermeier: Reflections on Multivariate Algorithmics and Problem Parameterization. *In: STACS 2010*, Leibniz International Proceedings in Informatics LIPIcs, Dagstuhl (2010), 17–32.
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183. V. Jelínek: The rank-width of the square grid. *Discrete Applied Mathematics* 158 (2010), 841–850.
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185. Y. Wu, C. Zhang: Hyperbolicity and chordality of a graph. *Electronic Journal of Combinatorics* 18 (2011), #P43.
186. M.S. Chang, L.J. Hung, T. Kloks, S.L. Peng: Block-Graph Width. *Theoretical Computer Science* 412 (2011), 2496–2502.
187. A. Blumensath: Simple monadic theories and partition width. *Mathematical Logic Quarterly* 57 (2011), 409–431.
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188. B. Courcelle: Graph Structure and Monadic Second-Order Logic: Language Theoretical Aspects. *In: ICALP 2008*, Lecture Notes in Computer Science 5125, Springer Verlag (2008), 1–13.
189. B. Courcelle: A multivariate interlace polynomial and its computation for graphs of bounded clique-width. *Electronic Journal of Combinatorics* 15 (2008), #R69.
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191. N. Kashyap: On minimal tree realizations of linear codes. *IEEE Transactions on Information Theory* 55 (2009), 3501–3519.

192. F. Carrere: Inductive computations on graphs defined by clique-width expressions. *RAIRO - Theoretical Informatics and Applications* 43 (2009), 625–651.
193. B. Courcelle: Linear delay enumeration and monadic second-order logic. *Discrete Applied Mathematics* 157 (2009), 2675–2700.
194. B. Courcelle, M.M. Kante: Graph operations characterizing rank-width. *Discrete Applied Mathematics* 157 (2009), 627–640.
195. S. Oum: Computing rank-width exactly. *Information Processing Letters* 109 (2009), 745–748.
196. M. Samer, S. Szeider: Algorithms for propositional model counting. *Journal of Discrete Algorithms* 8 (2010), 50–64.
197. V. Jelínek: The rank-width of the square grid. *Discrete Applied Mathematics* 158 (2010), 841–850.
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- *Citations for the paper [33]*: Petr Hliněný, co-author R. Ganian. On Parse Trees and Myhill–Nerode–type Tools for handling Graphs of Bounded Rank-width. *Discrete Applied Mathematics* 158 (2010), 851–867.
207. J. Kneis, A. Langer, P. Rossmanith: Courcelle’s Theorem – A Game-Theoretic Approach. *Discrete Optimization*, to appear.
208. B-M. Bui-Xuan, J.A. Telle, M. Vatshelle: Boolean-Width of Graphs. *Theoretical Computer Science* 412 (2011), 5187–5204.

- *Citations for the paper [57]*: Petr Hliněný, co-authors R. Ganian, J. Kneis, A. Langer, J. Obdržálek, P. Rossmanith. On Digraph Width Measures in Parameterized Algorithmics (extended abstract). *In: IWPEC 2009, Lecture Notes in Computer Science 5917, Springer (2009), 185–197.*
- 209. M. Lampis, G. Kaouri, and V. Mitsou: On the Algorithmic Effectiveness of Digraph Decompositions and Complexity Measures. *Discrete Optimization, Special issue on Parameterized Complexity 8 (2011), 129–138.*
- 210. S. Kreutzer, S. Ordyniak: Digraph decompositions and monotonicity in digraph searching. *Theoretical Computer Science 412 (2011), 4688–4703.*
- *Citations for the paper [60]*: Petr Hliněný, co-authors R. Ganian, J. Kneis, D. Meister, J. Obdržálek, P. Rossmanith, S. Sikdar. Are there any good digraph width measures?. *In: IPEC 2010, Lecture Notes in Computer Science 6478, Springer Verlag (2010), 135–146.*
- 211. S. Kreutzer, S. Ordyniak: Digraph decompositions and monotonicity in digraph searching. *Theoretical Computer Science 412 (2011), 4688–4703.*
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- 212. R. Downey: Parametrized Complexity for the Skeptic. *In: 18th IEEE Conference on Computational Complexity (2003), 147–169.*
- 213. H. Qin, X. Zhou: The class of binary matroids with no $M(K_{3,3})$ -, $M(K_{3,3})^*$ -, $M(K_5)$ - or $M^*(K_5)$ -minor. *J. Combin. Theory Ser. B 90 (2004), 173–184.*
- 214. R. Pendavingh, S. van Zwam: Confinement of matroid representations to subsets of partial fields. *J. Combin. Theory Ser. B 100 (2010), 510–545.*

Dr. Petr Hliněný: Presentations

November 15, 2011

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3.1 Petr Hliněný: Invited lectures and talks

1. 1998: $K_{4,4} - e$ has no finite planar cover. *DIMACS Research and Educational Institute '98*, Rutgers University, New Jersey USA. July 27 – August 7, 1998.
2. 1999 (co-author R. Thomas): On possible counterexamples to Negami's planar cover conjecture. *Twelfth Cumberland Conference on Combinatorics, Graph Theory and Computing*, Louisville, Kentucky USA. May 20–22, 1999.
3. 2000: Crossing-Number Critical Graphs have Bounded Pathwidth. *Workshop on Flows, Cycles and Orientations*, PIMS Simon Fraser University, Vancouver Canada. July 3–14, 2000.
4. 2003: Branch-width, tree-width, and computational complexity in matroids. *Současné Trendy Teoretické Informatiky*, Institute for Theoretical Computer Science. May 22–23, 2003.
5. 2003: Algorithms on Matroids of Bounded Branch-width. *Fixed Parameter Algorithms*, Dagstuhl Seminar #03311, Germany. July 27 – August 1, 2003.
6. 2003 (co-author G. Whittle): Matroid Tree-Width. *Advances in Graph and Matroid Theory*, a conference in honour of Neil Robertson's 65th birthday, Columbus USA. December 13–16, 2003.
7. 2004: Are Matroids Interesting Combinatorial Structures?. *Workshop on Logic and Graph Transformations*, ICGT 2004, Roma, Italy. October 1–2, 2004.
8. 2004: Matroid decompositions. *Workshop on Graph and Hypergraph Decompositions*, Wolfgang Pauli Institute Vienna, Austria. December 16–18, 2004.
9. 2005: O matroidech v teoretické informatice. *Současné Trendy Teoretické Informatiky*, Institute for Theoretical Computer Science. May 13–14, 2005.
10. 2005 (co-authors M. Noy, O. Gimenez): Computing the Tutte Polynomial with Restricted "Width". *2nd Workshop on Tutte Polynomials and Applications*, CRM, UAB Bellaterra, Spain. October 4–7, 2005.
11. 2006: MACEK – Real Structural Computations with Representable Matroids. *AXIOM workshop*, RISC Institute, Linz, Austria. April 27–29, 2006.

12. 2006 (co-author D. Seese): On decidability of MSO theories of combinatorial structures: Towards general matroids?. *Logic and Combinatorics (organized by Bruno Courcelle)*, Workshop at CSL'06. September 23–24, 2006.
13. 2008 (co-author G. Whittle): Approaching Tree-Width of Graphs from a Matroidal Perspective. *Č–S Grafy 2008*, Zadov, Czech Republic. June 9–13, 2008.
14. 2008: 20 Years of Negami’s Planar Cover Conjecture. *The 20th Workshop on Topological Graph Theory in Yokohama*, Japan. November 24–28, 2008.
15. 2010: Where Myhill–Nerode Theorem Meets Parameterized Algorithmics. *Parametrized Complexity of Computational Reasoning*, Workshop of MFCSL 2010, Brno, CZ. August 28, 2010.
16. 2010: Canonical Generation of Matroids. *Matroids and Computation 2010 workshop*, Victoria University of Wellington, New Zealand. November 29 – December 3, 2010.
17. 2011 (co-author M. Chimani, G. Salazar): On the Crossing Number of Surface-Embedded Graphs. *Crossing Numbers Turn Useful (11w5144)*, Banff International Research Station, Canada. August 21–26, 2011.

3.2 Petr Hliněný: Contributed conference talks

18. 1995: Contact graphs of curves. *Graph Drawing '95*, Passau, Germany. September 20–22, 1995. *(Refereed contribution.)*
19. 1996: Contact graphs of curves and line segments. *Czech-Slovak Conference on Graph Theory '96*, Soláň, Czech republic. ?June , 1996.
20. 1996: Planar covering graphs. *International Colloquium on Combinatorics and Graph Theory*, Balatonlelle, Hungary. July 15–20, 1996.
21. 1997 (co-author J. Kratochvíl): The Krausz dimension of graphs. *Czech-Slovak Conference on Graph Theory '97*, Chudenice, Czech republic. ?June , 1997.
22. 1997 (co-author J. Kratochvíl): Computational complexity of the Krausz dimension of graphs. *Graph-Theoretic Concepts in Computer Science WG '97*, Berlin, Germany. June 18–20, 1997. *(Refereed contribution.)*
23. 1997: Planar covers and projective planar graphs. *Graph Embeddings and Maps on Surfaces GEMS'97*, Banská Bystrica, Slovakia. June 29 – July 4, 1997.
24. 1997: Touching graphs of unit balls. *Conference Graph Drawing '97*, Roma, Italy. September 18–20, 1997. *(Refereed contribution.)*
25. 1998: $K_{4,4} - e$ has no finite planar cover. *29th Southeastern International Conference on Combinatorics, Graph Theory, and Computing*, Boca Raton, Florida, USA. March 9–13, 1998.
26. 1998: Planar covers and projective planar graphs – Negami’s conjecture. *Fifth Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications*, Prague, Czech republic. July 6–11, 1998.

27. 1998: Finite planar covers of graphs. *Minisymposium on Discharging methods*, 9th SIAM Conference on Discrete Mathematics, Toronto, Canada. July 12–15, 1998.
28. 1999 (co-author R. Thomas): On possible counterexamples to Negami’s planar cover conjecture. *30th Southeastern International Conference on Combinatorics, Graph Theory, and Computing*, Boca Raton, Florida, USA. March 8–12, 1999.
29. 1999 (co-author R. Thomas): On possible counterexamples to Negami’s planar cover conjecture. *Fourth Slovene Conference on Graph Theory*, Bled, Slovenia. June 28 – July 2, 1999.
30. 2000 (co-authors L.A. Goddyn, W. Hochstättler): Flows in Matroids. *The 25th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing*, University of Canterbury, New Zealand. December 4–8, 2000.
31. 2000: Crossing-Number Critical Graphs have Bounded Pathwidth. *Algebraic and Topological Methods In Graph Theory (ATMGT 2000)*, University of Auckland, New Zealand. December 11–15, 2000.
32. 2001 (co-authors J.F. Geelen, G. Whittle): Matroid Connectivity and Bridging Separations. *The 26th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing*, Curtin University, Perth, Australia. July 9–13, 2001.
33. 2001: Crossing-Critical Graphs and Path-width. *Graph Drawing GD 2001*, Vienna, Austria. September 23–26, 2001. *(Refereed contribution.)*
34. 2002: The Tutte Polynomial for Matroids of Bounded Branch-Width. *Czech-Slovak Conference on Graph Theory ’2002*, Rejvív, Czech republic. May 27–31, 2002.
35. 2002: Branch-Width, Parse Trees, and Monadic Second-Order Logic for Matroids over Finite Fields. *Conference on Matroid Structure Theory*, Ohio State University, Columbus Ohio, USA. July 1–5, 2002.
36. 2003: Branch-Width, Parse Trees, and Monadic Second-Order Logic for Matroids. *Symposium on Theoretical Aspects of Computer Science STACS 2003*, Berlin, Germany. February 27 – March 1, 2003. *(Refereed contribution.)*
37. 2003: On Matroid Properties Definable in the MSO Logic. *Symposium on Math Foundations of Computer Science MFCS 2003*, Bratislava, Slovakia. August 25–29, 2003. *(Refereed contribution.)*
38. 2003 (co-author G. Whittle): Tree-Width and Matroids. *Eurocomb ’03 – European conference on Combinatorics, Graph Theory and Applications*, Praha, Czech republic. September 8–12, 2003. *(Refereed contribution.)*
39. 2004: Crossing Number is Hard for Cubic Graphs. *Symposium on Math Foundations of Computer Science MFCS 2004*, Prague, Czech Republic. August 23–27, 2004. *(Refereed contribution.)*
40. 2004: On the Complexity of Matroid Minors. *EMS Mathematical Weekend 04*, Prague, Czech Republic. 3 – September 5, 2004.

41. 2004 (co-author D. Seese): On Decidability of MSO Theories of Representable Matroids. *IWPEC, part of the Symposium ALGO 2004*, Bergen, Norway. September 13 – 17, 2004. *(Refereed contribution.)*
42. 2004: Crossing Number is Hard for Cubic Graphs. *Combinatorial and Computational Aspects of Optimization, Topology and Algebra (ACCOTA 2004)*, San Miguel, Mexico. November 1–6, 2004.
43. 2005 (co-authors M. Noy, O. Gimenez): Computing the Tutte Polynomial on Graphs of Bounded Clique-Width. *The First Czech-Catalan Conference in Mathematics*, Prague, Czech Republic. May 27–28, 2005.
44. 2005 (co-authors M. Noy, O. Gimenez): Computing the Tutte Polynomial on Graphs of Bounded Clique-Width. *Graph-Theoretical Concepts in Computer Science WG '05*, Metz, France. June 23–25, 2005. *(Refereed contribution.)*
45. 2005: On crossing-critical graphs. *Graph Embeddings and Maps on Surfaces GEMS 2005*, Stará Lesná, Slovakia. June 26 – July 1, 2005.
46. 2005: Combinatorial Generation of Matroid Representations: Theory and Practice. *Asian Applied Computing Conference AACCC2005*, Kathmandu, Nepal. December 10–12, 2005. *(Refereed contribution.)*
47. 2006 (co-authors D. Hliněná, P. Vojtáš): A note on multicriteria decision making. *Fuzzy Sets FSTA 2006*, Liptovský Ján, Slovak Republic. January 30 – February 3, 2006.
48. 2006 (co-author J. Obdržálek): Escape-width: measuring “width” of digraphs. *C-S Combinatorics 2006*, Prague, Czech Republic. July 7–15, 2006.
49. 2006: On Matroid Representability and Minor Problems. *Symposium on Math Foundations of Computer Science MFCS 2006*, Stará Lesná, Slovakia. August 28 – September 2, 2006. *(Refereed contribution.)*
50. 2006 (co-author G. Salazar): On the Crossing Number of Almost Planar Graphs. *Graph Drawing GD 2006*, Karlsruhe, Germany. September 18–20, 2006. *(Refereed contribution.)*
51. 2007 (co-authors I. Gitler, J. Leaños, G. Salazar): The crossing number of a projective graph is quadratic in the face-width. *Czech-Slovak Conference on Graph Theory 2007*, Hradec nad Moravicí, Czech republic. June 11–15, 2007.
52. 2007: New almost-planar crossing-critical graph families. *6th Slovenian International Conference on Graph Theory*, Bled, Slovenia. June 24–30, 2007.
53. 2007 (co-author S. Oum): Finding branch-decomposition and rank-decomposition. *ALGO: ESA 2007*, Eilat, Israel. October 7–11, 2007. *(Refereed contribution.)*
54. 2007 (co-author S. Oum): Finding branch-decomposition and rank-decomposition. *Joint Meeting of the AMS – NZMS 2007*, Wellington, New Zealand. December 12–15, 2007.
55. 2007 (co-author G. Salazar): Approximating the Crossing Number of Toroidal Graphs. *18th International Symposium on Algorithms and Computation ISAAC 2007*, Sendai, Japan. December 17–19, 2007. *(Refereed contribution.)*

56. 2008: Graph decompositions, Parse trees, and MSO properties. *Combinatorial and Computational Aspects of Optimization, Topology and Algebra ACCOTA 2008*, Oaxaca, Mexico. December 8–12, 2008.
57. 2009: Planar emulators: On a surprising fall of Fellows conjecture, and beyond. *Graph Embeddings and Maps on Surfaces GEMS 09*, Tále, Slovakia. June 28 – July 3, 2009.
58. 2010 (co-author M. Chimani): Approximating the Crossing Number of Graphs Embeddable in Any Orientable Surface. *ACM-SIAM Symposium on Discrete Algorithms (SODA10)*, Austin, Texas USA. January 17–20, 2010. (Refereed contribution.)
59. 2010 (co-authors R. Ganian, J. Obdržálek): Unified Approach to Polynomial Algorithms on Graphs of Bounded (bi-)Rank-width. *XIth Conference of Czech Mathematicians CSASC 2010*, Prague, CZ. January 25, 2010.
60. 2011 (co-author M. Chimani): A Tighter Insertion-based Approximation of the Graph Crossing Number. *7th Slovenian International Conference on Graph Theory*, Bled, Slovenia. June 19–25, 2011.

3.3 Petr Hliněný: Workshop and seminar presentations

61. 1998: Planar covers and projective planar graphs. *Seminar*, Dept. of Mathematics, Simon Fraser University, Vancouver, Canada. July 21, 1998.
62. 2000: Negami’s conjecture - What next?. *Workshop on Graph Minors and Topological Graph Theory*, The Fields Institute, Toronto, Canada. January 17–22, 2000.
63. 2000: An Addition to Art Galleries with Interior Walls. *Workshop on Colourings and Homomorphisms*, PIMS Simon Fraser University, Vancouver, Canada. July 17–28, 2000.
64. 2002 (co-authors J.F. Geelen, G. Whittle): Matroid Connectivity and Bridging Separations. *ITI Day*, Institute for Theoretical Computer Science. January 18, 2002.
65. 2004: Planar Covers of Graphs – the Story of a Surprisingly Difficult Conjecture. *Seminar*, Universidad Autonoma de San Luis Potosi, Mexico. October 27, 2004.
66. 2005: Width Parameters of Matroids. *Exact Algorithms and Fixed-Parameter Tractability*, Dagstuhl Seminar #05301, Germany. July 23–29, 2005.
67. 2005 (co-author G. Whittle): Matroid Tree-Width and Chordality. *Workshop on Graph Classes and Width Parameters*, Charles University, Prague, Czech Republic. October 17–19, 2005.
68. 2005: On Crossing-Critical Graphs. *Workshop on Geometric Graphs*, Asian Applied Computing Conference AACC2005, Kathmandu, Nepal. December 11, 2005.
69. 2007: Approximating the crossing number for graphs ”close to planarity”. *Structure Theory and FPT Algorithmics for Graphs, Digraphs and Hypergraphs*, Dagstuhl Seminar #07281, Germany. July 8–13, 2007.

70. 2008 (co-author G. Salazar): Some Approximation Results for the Crossing Number. *Informatics seminar*, University of Dortmund, Germany. July 14, 2008.
71. 2008 (co-author G. Whittle): Some Recent Additions to Matroid Tree-Width. *Netherlands Workshop on Graphs and Matroids*, Sittard, NL. July 18–23, 2008.
72. 2009: 21 Years of Negami’s Planar Cover Conjecture. *Workshop on Graph Covers (ATCAGC 2009)*, Finse, Norway. February 19–21, 2009.
73. 2009 (co-author R. Ganian): On Parse Trees and Myhill–Nerode Tools for Graphs of Bounded Rank-width. *DIMAP workshop on Algorithmic Graph Theory 2009*, University of Warwick, UK. March 23–25, 2009.
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