

List of Publications

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[BC] **Book Chapters**

[BC-01] G. Liotta, F. Montecchiani. “Edge Partitions and Visibility Representations of 1-planar Graphs”. Chapter 6 in *Beyond Planar Graphs, Communications of NII Shonan Meetings*, Seok-Hee Hong and Takeshi Tokuyama editors, 89–107 (2020).

[SPE] **Journal Special Issues (Editor)**

[SPE-02] E. Di Giacomo, F. Montecchiani. “Editorial”. Special Issue 38th European Workshop on Computational Geometry (EuroCG 2022).in *Computational Geometry: Theory & Applications*, 109: 101946 (2023).

[SPE-01] M. A. Bekos, M. Kaufmann, F. Montecchiani. “Guest Editors’ Foreword and Overview”. Special Issue on Graph Drawing Beyond Planarity in *Journal of Graph Algorithms and Applications*, 22(1): 1–10 (2018).

[JOUR] **International Journals**

[JOUR-57] S. Bhore, G. Da Lozzo, F. Montecchiani, M. Nöllenburg:, “On the upward book thickness problem: Combinatorial and complexity results”. *European Journal of Combinatorics*, 110: 103662 (2023).

[JOUR-56] P. Bose, P. Carmi, V. Dujmovic, S. Mehrabi, F. Montecchiani, P. Morin, L. F. Schultz Xavier da Silveira, “Geodesic obstacle representation of graphs”. *Computational Geometry: Theory and Applications*, 109: 101946 (2023).

[JOUR-55] C. Binucci, W. Didimo, F. Montecchiani, “1-planarity testing and embedding: An experimental study”. *Computational Geometry: Theory and Applications*, 108: 101900 (2023).

[JOUR-54] L. Consalvi, W. Didimo, G. Liotta, F. Montecchiani, “BrowVis: Visualizing Large Graphs in the Browser”. *IEEE Access*, 10: 115776-115786 (2022).

- [JOUR-53] S. Bhore, R. Ganian, F. Montecchiani, M. Nöllenburg, “Parameterized Algorithms for Queue Layouts”. *Journal of Graph Algorithms and Applications*, 26(3): 335-352 (2022).
- [JOUR-52] A. Arleo, W. Didimo, G. Liotta, S. Miksch, F. Montecchiani, “Influence Maximization With Visual Analytics”. *IEEE Transactions Visualization and Computer Graphics*, 28(10): 3428-3440 (2022).
- [JOUR-51] P. Angelini, M. A. Bekos, F. Montecchiani, M. Pfister, “On Morphs of 1-Plane Graphs”. *Journal of Computational Geometry*, 13(1): 244-262 (2022).
- [JOUR-50] M. A. Bekos, E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, “Universal Slope Sets for Upward Planar Drawings”. *Algorithmica*, 84(9): 2556-2580 (2022).
- [JOUR-49] C. Binucci, W. Didimo, M. Kaufmann, G. Liotta, F. Montecchiani, “Placing Arrows in Directed Graph Layouts: Algorithms and Experiments” *Computer Graphics Forum*, 41(1): 364-376 (2022).
- [JOUR-48] L. Angori, W. Didimo, F. Montecchiani, D. Pagliuca, A. Tappini, “Hybrid Graph Visualizations With Chordlink: Algorithms, Experiments, and Applications”. *IEEE Transactions Visualization and Computer Graphics*, 28(2): 1288-1300 (2022).
- [JOUR-47] E. Di Giacomo, G. Liotta, F. Montecchiani, “Orthogonal planarity testing of bounded treewidth graphs”. *Journal of Computer and System Sciences*, 125: 129-148 (2022).
- [JOUR-46] M. Chimani, P. Kindermann, F. Montecchiani, P. Valtr, “Crossing Numbers of Beyond-Planar Graphs”. *Theoretical Computer Science*, 898: 44-49 (2022).
- [JOUR-45] M. A. Bekos, M. Gronemann, F. Montecchiani, D. Pálvölgi, A. Symvonis, L. Theodorou, “Grid drawings of graphs with constant edge-vertex resolution”. *Computational Geometry: Theory and Applications*, 98: 101789 (2021).
- [JOUR-44] G. Liotta, F. Montecchiani, A. Tappini, “Ortho-polygon Visibility Representations of 3-connected 1-plane Graphs”. *Theoretical Computer Science*, 863: 40-52 (2021).
- [JOUR-43] P. Kindermann, F. Montecchiani, L. Schlipf, A. Schulz, “Drawing Subcubic 1-Planar Graphs with Few Bends, Few Slopes, and Large Angles”. *Journal of Graph Algorithms and Applications*, 25(1): 1-28 (2021).
- [JOUR-42] S. Bhore, R. Ganian, F. Montecchiani, M. Nöllenburg, “Parameterized Algorithms for Book Embedding Problems”. *Journal of Graph Algorithms and Applications*, 24(4): 603-620 (2020).

- [JOUR-41] P. Angelini, M. A. Bekos, F. J. Brandenburg, G. Da Lozzo, G. Di Battista, W. Didimo, M. Hoffmann, G. Liotta, F. Montecchiani, I. Rutter, C. Tóth, “Simple k -planar graphs are simple $(k + 1)$ -quasi planar”. *Journal of Combinatorial Theory, Series B*, 142: 1–35 (2020).
- [JOUR-40] E. Di Giacomo, G. Liotta, F. Montecchiani, “1-bend Upward Planar Slope Number of SP-digraphs”. *Computational Geometry: Theory and Applications*, 90: 101628 (2020).
- [JOUR-39] W. Didimo, L. Grilli, G. Liotta, L. Menconi, F. Montecchiani, D. Pagliuca, “Combining Network Visualization and Data Mining for Tax Risk Assessment”. *IEEE Access*, 8: 16073–16086 (2020).
- [JOUR-38] E. Di Giacomo, P. Eades, G. Liotta, H. Meijer, F. Montecchiani, “Polyline Drawings with Topological Constraints”. *Theoretical Computer Science*, 809: 250–264 (2020).
- [JOUR-37] M. Bekos, H. Förster, M. Gronemann, T. Mchedlidze, F. Montecchiani, C. Raftopoulou, T. Ueckerdt, “Planar Graphs of Bounded Degree have Bounded Queue Number”. *SIAM Journal on Computing*, 48(5), 1487–1502 (2019).
- [JOUR-36] W. Didimo, L. Grilli, G. Liotta, F. Montecchiani and D. Pagliuca. “Visual querying and analysis of temporal fiscal networks”. *Information Sciences*, 505: 406–421 (2019).
- [JOUR-35] P. Angelini, M. A. Bekos, M. Kaufmann and F. Montecchiani. “On 3D visibility representations of graphs with few crossings per edge”. *Theoretical Computer Science*, 784: 11–20 (2019).
- [JOUR-34] P. Angelini, M. A. Bekos, G. Liotta and F. Montecchiani. “Universal Slope Sets for 1-Bend Planar Drawings”. *Algorithmica*, 81(6): 2527–2556 (2019)
- [JOUR-33] A. Arleo, W. Didimo, G. Liotta and F. Montecchiani. “A Distributed Multi-level Force-directed Algorithm”. *IEEE Transactions on Parallel and Distributed Systems*, 30(4): 754–765 (2019).
- [JOUR-32] W. Didimo, G. Liotta and F. Montecchiani. “A Survey on Graph Drawing Beyond Planarity”. *ACM Computing Surveys*, 52(1): 4:1–4:37 (2019).
- [JOUR-31] T. Biedl, T. M. Chan, S. Lee, S. Mehrabi, F. Montecchiani and H. Vosoughpour. “Guarding Orthogonal Art Galleries with Sliding k -Transmitters: Hardness and Approximation”. *Algorithmica*, 81(1): 69–97 (2019).
- [JOUR-30] M. Bekos, E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, C. Raftopoulou, “Edge Partitions of Optimal 2-plane and 3-plane Graphs”. *Discrete Mathematics*, 342: 1038–1047 (2019).

- [JOUR-29] S. W. Bae, J.-F. Baffier, J. Chun, P. Eades, K. Eickmeyer, L. Grilli, S.-H. Hong, M. Korman, F. Montecchiani, I. Rutter, C. D. Tóth, “Gap-planar Graphs”. *Theoretical Computer Science*, 745: 36–52 (2018).
- [JOUR-28] T. Biedl, , G. Liotta, F. Montecchiani. “Embedding-Preserving Rectangle Visibility Representations of Nonplanar Graphs” *Discrete & Computational Geometry*, 60(2): 345–380 (2018).
- [JOUR-27] A. Arleo, W. Didimo, G. Liotta, F. Montecchiani. “Profiling distributed graph processing systems through visual analytics”. *Future Generation Computer Systems*, 87: 43–57 (2018).
- [JOUR-26] E. Di Giacomo, W. Didimo, W. S. Evans, G. Liotta, H. Meijer, F. Montecchiani, S. K. Wismath. “Ortho-polygon Visibility Representations of Embedded Graphs” *Algorithmica*, 80(8): 2345–2383 (2018).
- [JOUR-25] W. Didimo, L. Giamminonni, G. Liotta, F. Montecchiani and D. Pagliuca. “A visual analytics system to support tax evasion discovery”. *Decision Support Systems*, 110: 71–83 (2018).
- [JOUR-24] A. Arleo, C. Binucci, E. Di Giacomo, W. S. Evans, L. Grilli, G. Liotta, H. Meijer, F. Montecchiani, S. Whitesides, S. K. Wismath, “Visibility Representations of Boxes in 2.5 Dimensions” *Computational Geometry*, 72: 19–33 (2018).
- [JOUR-23] W. Didimo, E. M. Kornaropoulos, F. Montecchiani, I. G. Tollis, “A Visualization Framework and User Studies for Overloaded Orthogonal Drawings” *Computer Graphics Forum*, 37(1): 288–300 (2018).
- [JOUR-22] E. Di Giacomo, G. Liotta, F. Montecchiani “Drawing subcubic planar graphs with four slopes and optimal angular resolution” *Theoretical Computer Science*, 714: 51–73 (2018).
- [JOUR-21] E. Di Giacomo, W. Didimo, W. S. Evans, G. Liotta, H. Meijer, F. Montecchiani, S. K. Wismath “New Results on Edge Partitions of 1-plane Graphs” *Theoretical Computer Science*, 713: 78–84 (2018).
- [JOUR-20] T. Bruckdorfer, S. Cornelsen, C. Gutwenger, M. Kaufmann, F. Montecchiani, M. Nöllenburg, A. Wolff, “Progress on Partial Edge Drawings” *Journal of Graph Algorithms and Applications*, 21(4): 757-786 (2017).
- [JOUR-19] S. G. Kobourov, G. Liotta, F. Montecchiani. “An annotated bibliography on 1-planarity” *Computer Science Review*, 25: 49–67 (2017).
- [JOUR-18] M. Bekos, W. Didimo, G. Liotta, S. Mehrabi, F. Montecchiani. “On RAC Drawings of 1-Planar Graphs” *Theoretical Computer Science*, 689: 48–57 (2017).
- [JOUR-17] C. Binucci, F. De Luca, E. Di Giacomo, G. Liotta, F. Montecchiani. “Designing the Content Analyzer of a Travel Recommender System” *Expert Systems with Applications*, 87: 199–208 (2017).

- [JOUR-16] P. Angelini, M. A. Bekos, F. De Luca, W. Didimo, M. Kaufmann, S. Kobourov, F. Montecchiani, C. N. Raftopoulou, V. Roselli, A. Symvonis. “Vertex-Coloring with Defects”. *Journal of Graph Algorithms and Applications (Special Issue on Selected Papers from the 10th International Conference and Workshops on Algorithms and Computation , WALCOM 2016)*, 21(3): 313-340 (2017).
- [JOUR-15] E. Di Giacomo, W. Didimo, G. Liotta and F. Montecchiani. “Area-thickness Trade-offs for Straight-line Drawings of Planar Graphs”. *The Computer Journal*, 60(1): 135–142 (2017).
- [JOUR-14] C. Binucci, M. Chimani, W. Didimo, M. Gronemann, K. Klein, J. Kratochvil, F. Montecchiani and I.G. Tollis, “2-Layer Fan-planarity: From Caterpillar to Stegosaurus”. *Journal of Graph Algorithms and Applications (Special Issue on Selected Papers from the 23rd International Symposium on Graph Drawing, GD 2015)*, 21(1): 81-102 (2017).
- [JOUR-13] W. J. Lenhart, G. Liotta and F. Montecchiani. “On Partitioning the Edges of 1-Plane Graphs”. *Theoretical Computer Science*, 662: 59–65 (2017).
- [JOUR-12] A. Arleo, W. Didimo, G. Liotta and F. Montecchiani. “Large Graph Visualizations Using a Distributed Computing Platform”. *Information Sciences*, 381: 124-141 (2017).
- [JOUR-11] W. S. Evans, G. Liotta and F. Montecchiani. “Simultaneous Visibility Representations of Plane *st*-graphs Using L-shapes”. *Theoretical Computer Science*, 645: 100–111 (2016).
- [JOUR-10] F. J. Brandenburg, W. Didimo, W. S. Evans, P. Kindermann, G. Liotta and F. Montecchiani, “Recognizing and Drawing IC-planar Graphs”. *Theoretical Computer Science*, 636: 1–16 (2016).
- [JOUR-09] G. Liotta, F. Montecchiani, “L-Visibility Drawings of IC-planar Graphs”. *Information Processing Letters*, 116(3): 217-222 (2016).
- [JOUR-08] E. Di Giacomo, G. Liotta, F. Montecchiani, “Drawing Outer 1-planar graphs with few slopes”. *Journal of Graph Algorithms and Applications (Special Issue on Selected Papers from the 22st International Symposium on Graph Drawing, GD 2014)*, 19(2): 707-741 (2015).
- [JOUR-07] P. Angelini, C. Binucci, G. Da Lozzo, W. Didimo, L. Grilli, F. Montecchiani, M. Patrignani, I. G. Tollis “Algorithms and Bounds for Drawing Non-planar Graphs with Crossing-free Subgraphs”. *Computational Geometry*, 50: 34-48 (2015).
- [JOUR-06] C. Binucci, E. Di Giacomo, W. Didimo, F. Montecchiani, M. Patrignani, A. Symvonis, I. G. Tollis, “Fan-planarity: Properties and complexity”. *Theoretical Computer Science*, 589 (0): 76-86 (2015).

- [JOUR-05] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, I. G. Tollis, “Techniques for Edge Stratification of Complex Graph Drawings”. *Journal of Visual Languages and Computing*, 25(4): 433-451 (2014).
- [JOUR-04] W. Didimo, G. Liotta, F. Montecchiani, “Network visualization for financial crime detection”. *Journal of Visual Languages and Computing*, 25(4): 533-543 (2014).
- [JOUR-03] T. Bruckdorfer, M. Kaufmann, F. Montecchiani, “1-Bend Orthogonal Partial Edge Drawing”. *Journal of Graph Algorithms and Applications*, 18(1): 111-131 (2014).
- [JOUR-02] W. Didimo, F. Montecchiani, “Fast Layout Computation of Clustered Networks: Algorithmic Advances and Experimental Analysis”. *Information Sciences*, 260: 185-199 (2014).
- [JOUR-01] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, “Area requirement of graph drawings with few crossings per edge”. *Computational Geometry*, 46(8): 909-916 (2013). This paper was recognized as one of the 5 most highly cited papers published in *Computational Geometry* during 2014, 2015 and up until June 2016.

[CONF] **International Conferences**

- [CONF-73] E. Di Giacomo, B. Di Martino, W. Didimo, A. Esposito, G. Liotta, F. Montecchiani, “Design of a Process and a Container-Based Cloud Architecture for the Automatic Generation of Storyline Visualizations”. *37th International Conference on Advanced Information Networking and Applications (AINA-2023)*, volume 655 of LNNS, pp. 90-99, 2023.
- [CONF-72] F. Montecchiani, G. Ortali, T. Piselli, A. Tappini, “On the Parametrized Complexity of s -Club Cluster Deletion Problems”. *48th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM 2023)*, volume 13878 of LNCS, pp. 159-173, 2023.
- [CONF-71] M. A. Bekos, M. Gronemann, F. Montecchiani, A. Symvonis, “Strictly-Convex Drawings of 3-Connected Planar Graphs”. In *30th International Symposium on Graph Drawing & Network Visualization (GD 2022)*, volume 13764 of LNCS, pp. 144-156. Springer, 2022.
- [CONF-70] C. Binucci, E. Di Giacomo, W. J. Lenhart, G. Liotta, F. Montecchiani, M. Nöllenburg, A. Symvonis, “On the Complexity of the Storyplan Problem”. In *30th International Symposium on Graph Drawing & Network Visualization (GD 2022)*, volume 13764 of LNCS, pp. 304-319. Springer, 2022.

- [CONF-69] F. Montecchiani, G. Ortali, T. Piselli, A. Tappini, “On the Parametrized Complexity of the s -Club Cluster Edge Deletion Problem”. *23th Italian Conference on Theoretical Computer Science (ICTCS 2022)*, volume 3284 of CEUR Workshop Proceedings, pp. 14-20, 2022.
- [CONF-68] M. A. Bekos, M. Gronemann, F. Montecchiani, A. Symvonis, “Convex Grid Drawings of Planar Graphs with Constant Edge-Vertex Resolution”. In *33th International Workshop on Combinatorial Algorithms (IWOCA 2022)*, volume 13270 of LNCS, pp. 157-171. Springer, 2022.
- [CONF-67] T. Biedl, G. Liotta, J. Lynch, F. Montecchiani, “Optimal-Area Visibility Representations of Outer-1-Plane Graphs”. In *29th International Symposium on Graph Drawing & Network Visualization (GD 2021)*, volume 12868 of LNCS, pp. 287-303. Springer, 2021.
- [CONF-66] S. Bhore, G. Da Lozzo, F. Montecchiani, M. Nöllenburg, “On the Upward Book Thickness Problem: Combinatorial and Complexity Results”. In *29th International Symposium on Graph Drawing & Network Visualization (GD 2021)*, volume 12868 of LNCS, pp. 242-256. Springer, 2021.
- [CONF-65] E. Di Giacomo, W. Didimo, F. Montecchiani, A. Tappini, “A User Study on Hybrid Graph Visualizations”. In *29th International Symposium on Graph Drawing & Network Visualization (GD 2021)*, volume 12868 of LNCS, pp. 21-38. Springer, 2021.
- [CONF-64] T. Biedl, G. Liotta, J. Lynch, F. Montecchiani, “Generalized LR-Drawings of Trees”. In *33rd Canadian Conference on Computational Geometry (CCCG 2021)*, pp. 78-88, 2021.
- [CONF-63] S. Chaplick, G. Da Lozzo, E. Di Giacomo, G. Liotta, F. Montecchiani, “Planar Drawings with Few Slopes of Halin Graphs and Nested Pseudotrees”. In *17th Algorithms and Data Structures Symposium (WADS 2021)*, volume 12808 of LNCS, pp. 271-285. Springer, 2021.
- [CONF-62] P. Angelini, M. A. Bekos, F. Montecchiani, M. Pfister, “On Morphing 1-Planar Drawings”. In *47th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2021)*, volume 12911 of LNCS, pp. 270-282. Springer, 2021.
- [CONF-61] S. Bhore, R. Galian, F. Montecchiani, M. Nöllenburg, “Parameterized Algorithms for Queue Layouts”. In *28th International Symposium on Graph Drawing & Network Visualization (GD 2020)*, volume 12590 of LNCS, pp. 40-54. Springer, 2020.
- [CONF-60] A. Arleo, W. Didimo, G. Liotta, S. Miksch, F. Montecchiani, “VAIM: Visual Analytics for Influence Maximization”. In *28th International Symposium on*

- Graph Drawing & Network Visualization (GD 2020)*, volume 12590 of LNCS, pp. 115-123. Springer, 2020.
- [CONF-59] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, A. Tappini, “Storyline Visualizations with Ubiquitous Actors”. In *28th International Symposium on Graph Drawing & Network Visualization (GD 2020)*, volume 12590 of LNCS, pp. 324-332. Springer, 2020.
- [CONF-58] T. Biedl, S. Chaplick, M. Kaufmann, F. Montecchiani, N. Raftopoulou, M. Nöllenburg, “Layered Fan-Planar Graph Drawings”. In *45th International Symposium on Mathematical Foundations of Computer Science (MFCS 2020)*, volume 170 of LIPIcs, pp. 14:1–14:13. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, 2020.
- [CONF-57] M. A. Bekos, G. Da Lozzo, S. Griesbach, M. Gronemann, F. Montecchiani, C. N. Raftopoulou, “Book Embeddings of Nonplanar Graphs with Small Faces in Few Pages”. In *36th International Symposium on Computational Geometry (SoCG 2020)*, volume 164 of LIPIcs, pp. 16:1–16:17. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, 2020.
- [CONF-56] M. Kaufmann, J. Kratochvíl, F. Lipp, F. Montecchiani, C. N. Raftopoulou, P. Valtr, “The Stub Resolution of 1-Planar Graphs”. In *14th International Conference and Workshop on Algorithms and Computation (WALCOM 2020)*, volume 12049 of LNCS, pp. 170-182. Springer, 2020.
- [CONF-55] C. Binucci, W. Didimo, F. Montecchiani, “An Experimental Study of a 1-Planarity Testing and Embedding Algorithm”. In *14th International Conference and Workshop on Algorithms and Computation (WALCOM 2020)*, volume 12049 of LNCS, pp. 329-335. Springer, 2020.
- [CONF-54] M. Chimani, P. Kindermann, F. Montecchiani, P. Valtr, “Crossing Numbers of Beyond-Planar Graphs”. In *27th International Symposium on Graph Drawing & Network Visualization (GD 2019)*, volume 11904 of LNCS, pp. 78-86. Springer, 2019.
- [CONF-53] L. Angori, W. Didimo, F. Montecchiani, D. Pagliuca, A. Tappini, “ChordLink: A New Hybrid Visualization Model”. In *27th International Symposium on Graph Drawing & Network Visualization (GD 2019)*, volume 11904 of LNCS, pp. 276-290. Springer, 2019.
- [CONF-52] S. Bhore, R. Ganian, F. Montecchiani, M. Nöllenburg, “Parameterized Algorithms for Book Embedding Problems”. In *27th International Symposium on Graph Drawing & Network Visualization (GD 2019)*, volume 11904 of LNCS, pp. 365-378. Springer, 2019.
- [CONF-51] E. Di Giacomo, G. Liotta, F. Montecchiani, “Sketched Representations and Orthogonal Planarity of Bounded Treewidth Graphs”. In *27th International*

Symposium on Graph Drawing & Network Visualization (GD 2019), volume 11904 of LNCS, pp. 379-392. Springer, 2019.

- [CONF-50] M. Bekos, H. Förster, M. Gronemann, T. Mchedlidze, F. Montecchiani, C. Raftopoulou, T. Ueckerdt, “Planar Graphs of Bounded Degree have Bounded Queue Number”. In *51st ACM Symposium on Theory of Computing (STOC 2019)*, pp. 176-184. ACM, 2019.
- [CONF-49] G. Liotta, F. Montecchiani, A. Tappini, “Ortho-polygon Visibility Representations of 3-connected 1-plane Graphs”. In *26th International Symposium on Graph Drawing & Network Visualization (GD 2018)*, volume 11282 of LNCS, pp. 524-537. Springer, 2018.
- [CONF-48] M. Bekos, E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, “Universal Slope Sets for Upward Planar Drawings”. In *26th International Symposium on Graph Drawing & Network Visualization (GD 2018)*, volume 11282 of LNCS, pp. 77-91. Springer, 2018.
- [CONF-47] P. Kindermann, F. Montecchiani, L. Schlipf, A. Schulz, “Drawing Subcubic 1-Planar Graphs with Few Bends, Few Slopes, and Large Angles”. In *26th International Symposium on Graph Drawing & Network Visualization (GD 2018)*, volume 11282 of LNCS, pp. 152-166. Springer, 2018.
- [CONF-46] E. Di Giacomo, P. Eades, G. Liotta, H. Meijer, F. Montecchiani, “Polyline Drawings with Topological Constraints”. In *29th International Symposium on Algorithms and Computation (ISAAC 2018)*, volume 123 of LIPIcs, pp. 39:1–39:13. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, 2018.
- [CONF-45] M. Bekos, E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, C. Raftopoulou, “Edge Partitions of Optimal 2-plane and 3-plane Graphs”. In *44th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2018)*, volume 11159 of LNCS, pp. 27-39. Springer, 2018.
- [CONF-44] P. Bose, P. Carmi, V. Dujmovic, S. Mehrabi, F. Montecchiani, P. Morin, L. F. Schultz Xavier da Silveira., “Geodesic Obstacle Representation of Graphs”. In *45th International Colloquium on Automata, Languages, and Programming (ICALP 2018)*, volume 107 of LIPIcs, pp. 23:1–23:13. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, 2018.
- [CONF-43] M. Kaufmann, J. Kratochvil, F. Lipp, F. Montecchiani, C. N. Raftopoulou, P. Valtr, “Bounded Stub Resolution for Some Maximal 1-Planar Graphs”. In *4th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2018)*, volume 10743 of LNCS, pp. 214-220. Springer, 2018.
- [CONF-42] A. Arleo, W. Didimo, G. Liotta and F. Montecchiani, “GiViP: A Visual Profiler for Distributed Graph Processing Systems”. In *25th International Symposium on Graph Drawing & Network Visualization (GD 2017)*, volume 10692 of LNCS, pp. 256-271. Springer, 2017.

- [CONF-41] S. W. Bae, J.-F. Baffier, J. Chun, P. Eades, K. Eickmeyer, L. Grilli, S.-H. Hong, M. Korman, F. Montecchiani, I. Rutter, C. D. Tóth, “Gap-planar Graphs”. In *25th International Symposium on Graph Drawing & Network Visualization (GD 2017)*, volume 10692 of LNCS, pp. 531-545. Springer, 2017.
- [CONF-40] P. Angelini, M. A. Bekos, M. Kaufmann and F. Montecchiani, “3D Visibility Representation of 1-planar Graphs”. In *25th International Symposium on Graph Drawing & Network Visualization (GD 2017)*, volume 10692 of LNCS, pp. 102-109. Springer, 2017.
- [CONF-39] P. Angelini, M. A. Bekos, F. J. Brandenburg, G. Da Lozzo, G. Di Battista, W. Didimo, G. Liotta, F. Montecchiani and I. Rutter, “On the Relationship between k -Planar and k -Quasi Planar Graphs”. In *43rd International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2017)*, volume 10520 of LNCS, pp. 59-74. Springer, 2017.
- [CONF-38] P. Angelini, M. A. Bekos, F. J. Brandenburg, G. Da Lozzo, G. Di Battista, W. Didimo, G. Liotta, F. Montecchiani and I. Rutter, “On the Relationship between k -Planar and k -Quasi Planar Graphs”. In *33rd European Workshop on Computational Geometry (EuroCG 2017)*, 2017.
- [CONF-37] P. Angelini, M. A. Bekos, G. Liotta and F. Montecchiani, “A Universal Slope Set for 1-Bend Planar Drawings”. *33rd International Symposium on Computational Geometry (SoCG 2017)*, volume 77 of LIPIcs, pp. 9:1–9:16. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, 2017.
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