



Alessandra Tappini

Curriculum Vitae (May 12, 2025)

Current Position

From March 2025, I am a tenure-track Assistant Professor at the University of Perugia, Department of Engineering (DI), Perugia, Italy.

Previous Positions

From 2020 to 2025, I have been a post-doc research fellow at the University of Perugia, Department of Engineering (DI), Perugia, Italy.

From 2016 to 2020, I have been a Ph.D. student at the University of Perugia, Department of Engineering (DI), Perugia, Italy.

Education

April 9, 2020 **Ph.D. in Industrial and Information Engineering**, *University of Perugia*, Department of Engineering (DI), Perugia, Italy.

Thesis: *Hybrid Graph Planarity Testing and Drawing*.

Advisor: Prof. Giuseppe Liotta.

External reviewers: Prof. William J. Lenhart and Prof. Ignaz Rutter.

Committee: Prof. Andrea Monteriù, Prof. Renzo Perfetti, and Prof. Marco Sasso.

February 19, 2016 **Master's Degree (Laurea Magistrale) in Computer and Automation Engineering**, *University of Perugia*, Department of Engineering (DI), Perugia, Italy.

Final mark: *110/110 cum laude*

Thesis: *Visual analysis of large networks: Design and experimental validation of techniques for the reduction of the visual complexity*.

Advisor: Prof. Giuseppe Liotta.

Awards and Honors

July, 2024 **National Scientific Habilitation (Abilitazione Scientifica Nazionale)** for associate professorship in sectors **01/B1 – Computer Science** and **09/H1 – Information Processing Systems**.

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- May, 2024 **Best Poster Award** - *26th Eurographics Conference on Visualization (EuroVis 2024)*. Hybrid Multilayer Network Visualization of Bibliographic Data. Éloi Durant, Alessandra Tappini, Walter Didimo, Giuseppe Liotta, and Mohammad Ghoniem.
- September, 2022 **Best Poster Award** - *30th International Symposium on Graph Drawing and Network Visualization*. The Witness Unit Disk Representability Problem. Giuseppe Liotta, Maarten Löffler, Fabrizio Montecchiani, Alessandra Tappini, and Soeren Terziadis.
- September, 2021 **Best Paper Award** - Track 2: Experimental, applied, and network visualization aspects - *29th International Symposium on Graph Drawing and Network Visualization*. A User Study on Hybrid Graph Visualizations. Emilio Di Giacomo, Walter Didimo, Fabrizio Montecchiani, and Alessandra Tappini.
- 2020 **Special mention** for the Best Italian Ph.D. Thesis in Theoretical Computer Science Award, advertised by the Italian Chapter of the European Association for Theoretical Computer Science (IC-EATCS). Ph.D. Thesis: *Hybrid Graph Planarity Testing and Drawing*. <https://www.eatcs.org/index.php/italian-chapter-awards>
- September, 2019 **Best Poster Award** - *27th International Symposium on Graph Drawing and Network Visualization*. Packing Trees into 1-planar Graphs. Felice De Luca, Emilio Di Giacomo, Seok-Hee Hong, Stephen Kobourov, William J. Lenhart, Giuseppe Liotta, Henk Meijer, Alessandra Tappini, and Stephen Wismath.
- September, 2018 **Best Paper Award** - Track 1: Combinatorial and algorithmic aspects - *26th International Symposium on Graph Drawing and Network Visualization*. Pole Dancing: 3D Morphs for Tree Drawings. Elena Arseneva, Prosenjit Bose, Pilar Cano, Anthony D'Angelo, Vida Dujmović, Fabrizio Frati, Stefan Langerman, and Alessandra Tappini.

Research Interests

My research focuses on the design and development of graph algorithms and software systems for the visual analysis of complex data sets, with particular attention to the reduction of the visual complexity of such networks. My research interests span across the following fields:

- Graph Drawing and its applications
- Theoretical Computer Science
- Network Visualization and Visual Analytics
- Human-Computer Interaction
- Computational Geometry

Research Projects

- *RASTA - Realtà Aumentata e Story-Telling Automatizzato per la valorizzazione di Beni Culturali ed Itinerari*, MUR Proj. PON n. ARS01_00540, CUP B92F20000500005 - **participant**.

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- *AHeAD: efficient Algorithms for HAarning networked Data*, MIUR Proj. PRIN 2017, prot. 00120174LF3T8 - **participant**.

Program Committees

- Program committee member of the *51st International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM 2026)*, Kraków, Poland, February 9-13, 2026. Website: <http://sofsem.uj.edu.pl/>
- Program committee member of the Posters and Demos track of the *27th Eurographics Conference on Visualization (EuroVis 2025)*, Luxembourg City, Luxembourg, June 2-6, 2025. Website: <https://www.eurovis2025.lu/>
- Program committee member of the *51st International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2025)*, Europäische Akademie Otzenhausen (Germany), June 11-13, 2025. Website: <https://algo.uni-trier.de/wg2025/>
- Program committee member of the *41st European Workshop on Computational Geometry (EuroCG 2025)*, Liblice (Czech Republic), April 8-11, 2025. Website: <https://kam.mff.cuni.cz/conferences/eurocg2025/>
- Program committee member of the *32nd International Symposium on Graph Drawing and Network Visualization (GD 2024)*, Vienna (Austria), September 18-20, 2024. Website: <http://graphdrawing.org/gd2024/>
- Program committee member of the *40th European Workshop on Computational Geometry (EuroCG 2024)*, Ioannina (Greece), March 13-15, 2024. Website: <https://eurocg2024.math.uoi.gr/>
- Program committee member of the *30th International Symposium on Graph Drawing and Network Visualization (GD 2022)*, Tokyo (Japan), September 13-16, 2022. Website: <http://graphdrawing.org/gd2022/>

Organizing Committees

- Organizing committee co-chair of the *20th International Conference and Workshops on Algorithms and Computation (WALCOM 2026)*, Perugia (PG), Italy, March 4-6, 2026. Website: <https://mozart.diei.unipg.it/walcom2026/>
- General co-chair of the *Bertinoro Workshop on Graph Drawing (BWGD 2025)*, Bertinoro (FC), Italy, March 2-7, 2025. Website: <https://bwgd25.bici.events>
- General co-chair of the *Bertinoro Workshop on Graph Drawing (BWGD 2024)*, Bertinoro (FC), Italy, March 3-8, 2024. Website: <https://bwgd24.bici.events>
- Organizing committee co-chair of the *31st International Symposium on Graph Drawing and Network Visualization (GD 2023)*, Isola delle Femmine (PA), Italy, September 19-22, 2023. Website: <https://gd2023.ing.unipg.it/>
- Organizing committee member of the *38th European Workshop on Computational Geometry (EuroCG 2022)*, Perugia, Italy, March 14-16, 2022. Website: <https://eurocg2022.unipg.it/>

Scientific Review Activity

International journals: Computational Geometry: Theory and Applications, Computational Intelligence, Computers & Graphics, Computing in Geometry and Topology, Discrete Applied Mathematics, Discrete Mathematics, Discrete Mathematics and Theoretical Computer Science, European Journal of Combinatorics, IEEE Access, IEEE Transactions on Visualization and Computer Graphics, Information Processing Letters, Journal of Computer and System Sciences, Journal of Experimental Algorithmics, Journal of Graph Algorithms and Applications, The Computer Journal, Theoretical Computer Science.

International conferences: CIAC (2021), EuroCG (2020, 2023, 2024, 2025), GD (2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024), IEEE VIS (2021, 2023, 2024), ISAAC (2021), MFCS (2022), PacificVis (2024, 2025), SOFSEM (2023, 2025), SoCG (2023), WADS (2021), WALCOM (2018, 2019, 2020, 2021, 2022, 2023, 2024), WG (2019, 2020, 2022, 2025).

Attended Conferences and Workshops

- March 2025 **BWGD 2025**, *BICI Workshop on Graph Drawing 2025*, Bertinoro (FC), Italy.
- September 2024 **GD 2024**, *32nd International Symposium on Graph Drawing and Network Visualization*, Vienna, Austria.
- September 2024 **SWGD 2024**, *Summer Workshop on Graph Drawing 2024*, Caldana (GR), Italy.
- June 2024 **GNV 2024**, *Workshop on Graph and Network Visualization 2024*, Heiligkreuztal, Germany.
- March 2024 **BWGD 2024**, *BICI Workshop on Graph Drawing 2024*, Bertinoro (FC), Italy.
- September 2023 **GD 2023**, *31st International Symposium on Graph Drawing and Network Visualization*, Isola delle Femmine (PA), Italy.
- September 2023 **SWGD 2023**, *Summer Workshop on Graph Drawing 2023*, Caldana (GR), Italy.
- March 2023 **EuroCG 2023**, *39th European Workshop on Computational Geometry*, Barcelona, Spain.
- March 2023 **BWGD 2023**, *BICI Workshop on Graph Drawing 2023*, Bertinoro (FC), Italy.
- January-February 2023 **Dagstuhl Seminar 23051**, *Perception in Network Visualization*, Schloss Dagstuhl, Germany.
- September 2022 **GD 2022**, *30th International Symposium on Graph Drawing and Network Visualization*, Tokyo, Japan, *online participation*.
- September 2022 **SWGD 2022**, *Summer Workshop on Graph Drawing 2022*, Caldana (GR), Italy.
- June 2022 **SWAT 2022**, *18th Scandinavian Symposium and Workshops on Algorithm Theory*, Tórshavn, Faroe Islands.
- June 2022 **WG 2022**, *48th International Workshop on Graph-Theoretic Concepts in Computer Science*, Tübingen, Germany.

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- March 2022 **EuroCG 2022**, *38th European Workshop on Computational Geometry*, Perugia (PG), Italy.
- March 2022 **BWGD 2022**, *BICI Workshop on Graph Drawing 2022*, Bertinoro (FC), Italy.
- September 2021 **GD 2021**, *29th International Symposium on Graph Drawing and Network Visualization*, Tübingen, Germany.
- September 2021 **SWGD 2021**, *Summer Workshop on Graph Drawing 2021*, Castiglione del Lago (PG), Italy.
- September 2020 **GD 2020**, *28th International Symposium on Graph Drawing and Network Visualization*, Vancouver, Canada, *online event*.
- March-April 2020 **WALCOM 2020**, *14th International Conference and Workshops on Algorithms and Computation*, Singapore, *online event*.
- March 2020 **EuroCG 2020**, *36th European Workshop on Computational Geometry*, Würzburg, Germany, *online event*.
- January 2020 **SOFSEM 2020**, *46th International Conference on Current Trends in Theory and Practice of Computer Science*, Limassol, Cyprus.
- September 2019 **GD 2019**, *27th International Symposium on Graph Drawing and Network Visualization*, Průhonice (Prague), Czech Republic.
- March 2019 **BWGD 2019**, *BICI Workshop on Graph Drawing 2019*, Bertinoro (FC), Italy.
- September 2018 **GD 2018**, *26th International Symposium on Graph Drawing and Network Visualization*, Barcelona, Spain.
- March 2018 **BWGD 2018**, *BICI Workshop on Graph Drawing 2018*, Bertinoro (FC), Italy.
- September 2017 **GD 2017**, *25th International Symposium on Graph Drawing and Network Visualization*, Boston, USA.
- March 2017 **BWGD 2017**, *BICI Workshop on Graph Drawing 2017*, Bertinoro (FC), Italy.
- July 2016 **IISA 2016**, *7th International Conference on Information, Intelligence, Systems and Applications*, Chalkidiki, Greece.

Teaching

- 2024/2025 **Databases**, *University of Perugia, Department of Mathematics and Computer Science (DMI), Perugia, Italy.*
 Degree: Bachelor's Degree in Programming and Management of Computer Systems.
 Role: Teacher (42 hours) - teaching in Italian.
- 2024/2025 **Fundamentals of Computer Science - Information Systems (6 ECTS)**, *University of Perugia, Department of Engineering (DI), Perugia, Italy.*
 Degree: Bachelor's Degree in Engineering Management.
 Role: Teacher (54 hours) - teaching in English.

- 2024/2025 **Models and Algorithms for Data Visualization**, *University of Perugia, Department of Engineering (DI), Perugia, Italy.*
Degree: Master's Degree in Computer and Robotics Engineering.
Role: Teaching Assistant (10 hours) - teaching in Italian.
- 2023/2024 **Databases**, *University of Perugia, Department of Mathematics and Computer Science (DMI), Perugia, Italy.*
Degree: Bachelor's Degree in Programming and Management of Computer Systems.
Role: Teacher (42 hours) - teaching in Italian.
- 2023/2024 **Fundamentals of Computer Science - Information Systems (6 ECTS)**, *University of Perugia, Department of Engineering (DI), Perugia, Italy.*
Degree: Bachelor's Degree in Engineering Management.
Role: Teacher (54 hours) - teaching in English.
- 2023/2024 **Visual Analytics**, *University of Tübingen, Wilhelm Schickard Institut für Informatik, Tübingen, Germany.*
Degree: Bioinformatics (B. Sc. & M. Sc.), Computer Science (B. Sc. & M. Sc.), Machine Learning (M. Sc.), Media Informatics (B. Sc. & M. Sc.), Medical Informatics (B. Sc. & M. Sc.).
Role: Teacher (30 hours) - teaching in English.
- 2022/2023 **Fundamentals of Computer Science - Information Systems (6 ECTS)**, *University of Perugia, Department of Engineering (DI), Perugia, Italy.*
Degree: Bachelor's Degree in Engineering Management.
Role: Teaching Assistant (24 hours) - teaching in English.
- 2022/2023 **Visual Analytics - Hands on**, *University of Perugia, Department of Engineering (DI), Perugia, Italy.*
Degree: Doctorate Course in Industrial and Information Engineering (for Ph.D. candidates only).
Role: Teacher (20 hours) - teaching in English.
- 2020/2021 **Fundamentals of Computer Science**, *University of Perugia, Department of Engineering (DI), Perugia, Italy.*
Degree: Bachelor's Degree in Computer and Electronic Engineering.
Role: Tutor (50 hours) - teaching in Italian.

I co-tutored several students during their bachelor's or master's theses. One of these theses received the Award "Premio di Laurea Renato Mariani 2020". The title of the thesis was *A visual analytics system for complex networks based on a hybrid representation model*, and the author was Lorenzo Angori.

The following teaching activity took place at the ITS Umbria Academy (<http://www.itsumbria.it>):

- 2024/2025 **C Programming**.
Role: Teacher (40 hours).
- 2023/2024 **Fundamentals of Computer Science and C Programming**.
Role: Teacher (55 hours).

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- 2022/2023 **C Programming.**
Role: Teacher (40 hours).
- 2021/2022 **Fundamentals of Computer Science and Python Programming.**
Role: Co-Teacher (50 of 70 hours).
- 2020/2021 **Fundamentals of Computer Science and Python Programming.**
Role: Co-Teacher (30 of 60 hours).
- 2020/2021 **C Programming.**
Role: Co-Teacher (20 of 40 hours).

Experience Abroad

- September - **University of Tübingen (Germany) - Wilhelm Schickard Institut für**
October 2023 **Informatik, Visiting post-doc fellow.**
During this period I joined the Algorithmik group, led by Prof. Michael Kaufmann, and I taught a course about Visual Analytics.
- November **University of Tübingen (Germany) - Wilhelm Schickard Institut für**
2018 - **Informatik, Visiting Ph.D. student.**
March 2019 During this period I joined the Algorithmik group, led by Prof. Michael Kaufmann.
- July 2018, **University of Passau (Germany), Visiting Ph.D. student.**
February 2019 During these periods I collaborated with Prof. Ignaz Rutter and joined the Theoretical Computer Science group.
- April - June **Oxford (UK), Traineeship in GlamOre Ltd.**
2016 Design and development of an "e-recruitment and e-collaboration" web platform.

Summer Schools

- September **Visual Exploration of Graph Databases, Saracen Sands Hotel & Congress**
2023 **Centre, Isola delle Femmine (PA), Italy.**
- September **PhD School of the 27th International Symposium on Graph Drawing**
2019 **and Network Visualization, Charles University, Prague, Czech Republic.**
- September **Recent Trends in Graph Drawing and Network Visualization, Universi-**
2018 **tat Politècnica de Catalunya (UPC), Barcelona, Spain.**
- May 2018 **Intensive Research Program in Discrete, Combinatorial and Compu-**
tational Geometry, Universitat Autònoma de Barcelona (UAB) - Centre de
Recerca Matemàtica, Barcelona, Spain.
Inspiring Lectures II: Challenges in Combinatorial and Discrete Geometry.
- September **3rd IEEE Italy Section PhD Summer School - Smarter Engineering**
2017 **for Industry 4.0 (SmE4I4.0), Università degli Studi di Perugia, Perugia,**
Italy.

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- May 2017 **International School on Mathematics "Guido Stampacchia" - Graph Theory, Algorithms and Applications, 4th Edition**, *Ettore Majorana Foundation and Centre for Scientific Culture*, Erice (TP), Italy.
- May-June 2016 **Oxford Venture Idea Exploration Workshop**, *Saïd Business School*, Oxford, UK.
A six weeks workshop exploring an entrepreneurial idea with hands-on learning to accelerate the start-up process.
- July 2011 **3rd International Summer School & Conference on Measuring and Managing Corporate Sustainability**, *Polytechnic Institute of NYU*, New York, USA.

Publications

International Journals

- 2025 **Time-Dependent Route Planning on Maps - A User Study**, *Annika Bonerath, Claus-Christian Carbon, Silvia Miksch, Maurizio Patrignani, and Alessandra Tappini*, *Journal of Perceptual Imaging*, 2025, 8: 1-12.
- 2024 **Min-k-planar Drawings of Graphs**, *Carla Binucci, Aaron Büngener, Giuseppe Di Battista, Walter Didimo, Vida Dujmović, Seok-Hee Hong, Michael Kaufmann, Giuseppe Liotta, Pat Morin, and Alessandra Tappini*, *Journal of Graph Algorithms and Applications*, 2024, 28(2): 1-35.
- 2024 **Graphs Drawn With Some Vertices per Face: Density and Relationships**, *Carla Binucci, Giuseppe Di Battista, Walter Didimo, Vida Dujmović, Seok-Hee Hong, Michael Kaufmann, Giuseppe Liotta, Pat Morin, and Alessandra Tappini*, *IEEE Access*, 2024, 12: 68828-68846.
- 2024 **Recognizing Map Graphs of Bounded Treewidth**, *Patrizio Angelini, Michael Bekos, Giordano Da Lozzo, Martin Gronemann, Fabrizio Montecchiani, and Alessandra Tappini*, *Algorithmica*, Springer, 2024, 86(2): 613-637.
- 2024 **Comparative Study and Evaluation of Hybrid Visualizations of Graphs**, *Emilio Di Giacomo, Walter Didimo, Giuseppe Liotta, Fabrizio Montecchiani, and Alessandra Tappini*, *IEEE Transactions on Visualization and Computer Graphics*, 2024, 30(7): 3503-3515.
- 2023 **On the Parameterized Complexity of s-club Cluster Deletion Problems**, *Fabrizio Montecchiani, Giacomo Ortali, Tommaso Piselli, and Alessandra Tappini*, *Theoretical Computer Science*, Elsevier, 2023, 969: 114041.
- 2023 **k-planar Placement and Packing of Δ -regular Caterpillars**, *Carla Binucci, Emilio Di Giacomo, Michael Kaufmann, Giuseppe Liotta, and Alessandra Tappini*, *International Journal of Foundations of Computer Science*, 2023, 34(07): 875-902.

- 2023 **Small Point-Sets Supporting Graph Stories**, *Giuseppe Di Battista, Walter Didimo, Luca Grilli, Fabrizio Grosso, Giacomo Ortali, Maurizio Patrignani, and Alessandra Tappini*, *Journal of Graph Algorithms and Applications*, 2023, 27(8): 651-677.
- 2023 **Parameterized Complexity of Graph Planarity with Restricted Cyclic Orders**, *Giuseppe Liotta, Ignaz Rutter, and Alessandra Tappini*, *Journal of Computer and System Sciences*, Elsevier, 2023, 135: 125-144.
- 2022 **Hybrid Graph Visualizations with ChordLink: Algorithms, Experiments, and Applications**, *Lorenzo Angori, Walter Didimo, Fabrizio Montecchiani, Daniele Pagliuca, and Alessandra Tappini*, *IEEE Transactions on Visualization and Computer Graphics*, 2022, 28(2): 1288-1300.
- 2021 **(k,p)-planarity: A Relaxation of Hybrid Planarity**, *Emilio Di Giacomo, William J. Lenhart, Giuseppe Liotta, Timothy W. Randolph, and Alessandra Tappini*, *Theoretical Computer Science*, Elsevier, 2021, 896: 19-30.
- 2021 **Packing Trees into 1-planar Graphs**, *Felice De Luca, Emilio Di Giacomo, Seok-Hee Hong, Stephen Kobourov, William J. Lenhart, Giuseppe Liotta, Henk Meijer, Alessandra Tappini, and Stephen Wismath*, *Journal of Graph Algorithms and Applications*, 2021, 25(2): 605-624.
- 2021 **Simultaneous FPQ-Ordering and Hybrid Planarity Testing**, *Giuseppe Liotta, Ignaz Rutter, and Alessandra Tappini*, *Theoretical Computer Science*, Elsevier, 2021, 874: 59-79.
- 2021 **Ortho-polygon Visibility Representations of 3-connected 1-plane Graphs**, *Giuseppe Liotta, Fabrizio Montecchiani, and Alessandra Tappini*, *Theoretical Computer Science*, Elsevier, 2021, 863: 40-52.
- 2020 **Graph Planarity by Replacing Cliques with Paths**, *Patrizio Angelini, Peter Eades, Seok-Hee Hong, Karsten Klein, Stephen Kobourov, Giuseppe Liotta, Alfredo Navarra, and Alessandra Tappini*, *Algorithms*, 2020, 13(8): 194.
- 2019 **Greedy Rectilinear Drawings**, *Patrizio Angelini, Michael Bekos, Walter Didimo, Luca Grilli, Philipp Kindermann, Tamara Mchedlidze, Roman Prutkin, Antonios Symvonis, and Alessandra Tappini*, *Theoretical Computer Science*, Elsevier, 2019, 795: 375-397.
- 2019 **Pole Dancing: 3D Morphs for Tree Drawings**, *Elena Arseneva, Prosenjit Bose, Pilar Cano, Anthony D'Angelo, Vida Dujmović, Fabrizio Frati, Stefan Langerman, and Alessandra Tappini*, *Journal of Graph Algorithms and Applications*, 2019, 23(3): 579-602.
- 2019 **NodeTrix Planarity Testing with Small Clusters**, *Emilio Di Giacomo, Giuseppe Liotta, Maurizio Patrignani, Ignaz Rutter, and Alessandra Tappini*, *Algorithmica*, Springer, 2019, 81(9): 3464-3493.

International Conferences

- 2025 **Flipping Matchings is Hard**, *Carla Binucci, Fabrizio Montecchiani, Daniel Perz, and Alessandra Tappini*, In: Proceedings of the 41st European Workshop on Computational Geometry (EuroCG 2025) LIPIcs (pp. 28:1-28:10).
- 2025 **Defective Linear Layouts of Graphs**, *Michael A. Bekos, Carla Binucci, Emilio Di Giacomo, Walter Didimo, Luca Grilli, Maria Eleni Pavlidi, Alessandra Tappini, and Alexandra Weinberger*, In: Proceedings of the 41st European Workshop on Computational Geometry (EuroCG 2025) LIPIcs (pp. 24:1-24:8).
- 2024 **Hybrid Multilayer Network Visualization of Bibliographic Data**, *Éloi Durant, Alessandra Tappini, Walter Didimo, Giuseppe Liotta, Mohammad Ghoniem*, In: Kucher, K., Diehl, A., Gillmann, C. (eds.) Proceedings of the 26th Eurographics Conference on Visualization - Posters (EuroVis 2024). Eurographics Association.
- 2024 **Bundling-Aware Graph Drawing**, *Daniel Archambault, Giuseppe Liotta, Martin Nöllenburg, Tommaso Piselli, Alessandra Tappini, and Markus Wallinger*, In: Felsner, S., Klein, K. (eds.) Proceedings of the 32nd International Symposium on Graph Drawing and Network Visualization (GD 2024). LIPIcs (pp. 15:1-15:19).
- 2024 **Partial Temporal Vertex Cover with Bounded Activity Intervals**, *Riccardo Dondi, Fabrizio Montecchiani, Giacomo Ortali, Tommaso Piselli, and Alessandra Tappini*, In: Casteigts A., Kuhn F. (eds.) Proceedings of the 3rd Symposium on Algorithmic Foundations of Dynamic Networks (SAND 2024). LIPIcs (pp. 11:1-11:14).
- 2023 **Evaluating Animation Parameters for Morphing Edge Drawings**, *Carla Binucci, Henry Förster, Julia Katheder, and Alessandra Tappini*, In: Bekos, M.A., Chimani, M. (eds.) Proceedings of the 31st International Symposium on Graph Drawing and Network Visualization (GD 2023). LNCS, Springer (Part I, pp. 246-262).
- 2023 **Min-k-planar Drawings of Graphs**, *Carla Binucci, Aaron Büngener, Giuseppe Di Battista, Walter Didimo, Vida Dujmović, Seok-Hee Hong, Michael Kaufmann, Giuseppe Liotta, Pat Morin, and Alessandra Tappini*, In: Bekos, M.A., Chimani, M. (eds.) Proceedings of the 31st International Symposium on Graph Drawing and Network Visualization (GD 2023). LNCS, Springer (Part I, pp. 39-52).
- 2023 **Nonplanar Graph Drawings with k Vertices per Face**, *Carla Binucci, Giuseppe Di Battista, Walter Didimo, Seok-Hee Hong, Michael Kaufmann, Giuseppe Liotta, Pat Morin, and Alessandra Tappini*, In: Paulusma, D., Ries, B. (eds.) Proceedings of the 49th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2023). LNCS, Springer (pp. 86-100).

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- 2023 **k-planar Placement and Packing of Δ -regular Caterpillars**, *Carla Binucci, Emilio Di Giacomo, Michael Kaufmann, Giuseppe Liotta, and Alessandra Tappini*, In: Proceedings of the 39th European Workshop on Computational Geometry (EuroCG 2023) LIPIcs (pp. 30:1-30:6).
- 2023 **On the Parameterized Complexity of s-club Cluster Deletion Problems**, *Fabrizio Montecchiani, Giacomo Ortali, Tommaso Piselli, and Alessandra Tappini*, In: Gąsieniec, L. (eds.) Proceedings of the 48th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM 2023), LNCS, Springer (pp. 159-173).
- 2022 **Small Point-Sets Supporting Graph Stories**, *Giuseppe Di Battista, Walter Didimo, Luca Grilli, Fabrizio Grosso, Giacomo Ortali, Maurizio Patrignani, and Alessandra Tappini*, In: Angelini, P., von Hanxleden, R. (eds.) Proceedings of the 30th International Symposium on Graph Drawing and Network Visualization (GD 2022). LNCS, Springer (pp. 289-303).
- 2022 **The Witness Unit Disk Representability Problem**, *Giuseppe Liotta, Maarten Löffler, Fabrizio Montecchiani, Alessandra Tappini, and Soeren Terziadis*, In: Angelini, P., von Hanxleden, R. (eds.) Proceedings of the 30th International Symposium on Graph Drawing and Network Visualization (GD 2022). LNCS, Springer (pp. 483-486).
- 2022 **On the Parameterized Complexity of the s-Club Cluster Edge Deletion Problem**, *Fabrizio Montecchiani, Giacomo Ortali, Tommaso Piselli, and Alessandra Tappini*, In: Dal Lago, U., Gorla, D. (eds.) Proceedings of the 23rd Italian Conference on Theoretical Computer Science (ICTCS 2022). CEUR Workshop Proceedings, CEUR-WS.org (pp. 14-20).
- 2022 **Parameterized Complexity of Graph Planarity with Restricted Cyclic Orders**, *Giuseppe Liotta, Ignaz Rutter, and Alessandra Tappini*, In: Bekos, M., Kaufmann, M. (eds.) Proceedings of the 48th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2022). LNCS, Springer (pp. 383-397).
- 2022 **Recognizing Map Graphs of Bounded Treewidth**, *Patrizio Angelini, Michael Bekos, Giordano Da Lozzo, Martin Gronemann, Fabrizio Montecchiani, and Alessandra Tappini*, In: Czumaj, A., Xin, Q. (eds.) Proceedings of the 18th Scandinavian Symposium and Workshops on Algorithm Theory (SWAT 2022). LIPIcs (pp. 8:1-8:18).
- 2021 **A User Study on Hybrid Graph Visualizations**, *Emilio Di Giacomo, Walter Didimo, Fabrizio Montecchiani, and Alessandra Tappini*, In: Purchase, H., Rutter, I. (eds.) Proceedings of the 29th International Symposium on Graph Drawing and Network Visualization (GD 2021). LNCS, Springer (pp. 21-38).

- 2021 **Quasi-upward Planar Drawings with Minimum Curve Complexity**, *Carla Binucci, Emilio Di Giacomo, Giuseppe Liotta, and Alessandra Tappini*, In: Purchase, H., Rutter, I. (eds.) Proceedings of the 29th International Symposium on Graph Drawing and Network Visualization (GD 2021). LNCS, Springer (pp. 195-209).
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