

Curriculum Vitae of

EMILIO DI GIACOMO

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Emilio Di Giacomo received the Laurea degree in Electronic Engineering from the University of Rome “La Sapienza” in 2000 and the PhD degree in Information Engineering from the University of Perugia in 2003. From 2005 to 2015 he is an assistant professor of computer science at the Department of Engineering of the University of Perugia. In 2015 he becomes associate professor at the same department.

His research interests include Graph Drawing, Computational Geometry, Information Visualization, and Algorithm Engineering. He collected more than 80 international publications in the above areas. He also wrote a textbook for the course of Fondamenti di Informatica (Fundamentals of Computer Science). He served in the scientific and organizing committees of several international conferences including the International Symposium on Graph Drawing, the IEEE Pacific Visualization Symposium, and the ACM Symposium on Computational Geometry. Since 2014 he is a member of the Steering Committee of the International Symposium on Graph Drawing and Network Visualization and in 2015 he served as PC co-chair of 23rd International Symposium on Graph Drawing and Network Visualization. Since 2005 he is Publication Editor of the Journal of Graph Algorithms and Applications.

He have been also involved in several national and international research projects, including projects supported by the Italian Ministry of Education and by the European Community. He is also a co-funded of the Vis4 s.r.l. company, started as a spin-off of the University of Perugia.

Emilio’s career milestones:

- 2000:** Laurea Degree in Electronic Engineering (Univ. of Rome “La Sapienza”)
- 2003:** PhD in Information Engineering (University of Perugia)
- 2003-2004:** Post-doc (University of Perugia)
- 2005-2015:** Assistant Professor (University of Perugia)
- 2014:** Received the National Scientific Qualification (Abilitazione Nazionale) to be an associate professor (sector 09/H1 and 01/B1).
- 2015-:** Associate Professor (University of Perugia)

EDUCATION

- 2003:** PhD in Information Engineering at the University of Perugia.
- 2000:** Laurea Degree in Electronic Engineering at University of Rome “La Sapienza”, final grade: 110/110 *cum laude* .

SCIENTIFIC INTERESTS

Emilio Di Giacomo's research interests are in the general area of Algorithm Engineering, with particular focus to the following fields:

- Graph Drawing,
- Computational Geometry,
- Information Visualization.

CONFERENCE COMMITTEES

Steering Committee

2014-2016: Member of the Steering Committee of the International Symposium on Graph Drawing and Network Visualization.

Program Committees

2015: PC chair of the 23th International Symposium on Graph Drawing and Network Visualization (GD 2015), Los Angeles, USA, 24–26 September 2015.

2013: PC member of the 21th International Symposium on Graph Drawing (GD 2013), Bordeaux, France, 23–25 September 2013.

2012: PC member of the 2012 International Workshop on Computer Image and its Applications (CIA 2012) Vancouver, Canada, 26–28 June 2012.

2012: PC member of the 5th IEEE Pacific Visualization Symposium (PacificVis 2012) Songdo, South Korea, 28 February–2 March 2012.

2011: PC member of the 2011 International Workshop on Computer Image and its Applications (CIA 2011) Busan, South Korea, 26–28 May 2011.

2010: PC member of the 18th International Symposium on Graph Drawing (GD 2010), Konstanz, Germany, 21–24 September 2010.

Organizing Committee

2012: Publicity chair of the 20th Symposium on Graph Drawing (GD 2012), Redmond, WA, USA, 19–21 September 2012.

2012: Organizing committee member of the 28th European Workshop on Computational Geometry (EuroCG 2012), Assisi 19–21 March 2012.

- 2011:** Publicity chair of the 1st International ICST Conference on Practice and Theory of Algorithms in (Computer) Systems (TAPAS 2011), Rome 18–20 April 2011.
- 2008:** Publicity chair of the 16th Symposium on Graph Drawing (GD 2008), Crete, Greece, 21–24 September 2008.
- 2005:** Organizing committee member of the ACM Symposium on Computational Geometry (SoCG 2005), Pisa 6–8 June 2005.
- 2003:** Organizing committee member of the 11th Symposium on Graph Drawing (GD 2003), Perugia 21–24 September 2003.

EDITORIAL ACTIVITY

- Since 2005 he is Publication Editor of the “Journal of Graph Algorithms and Applications” (<http://jgaa.info>).

RESEARCH PROJECTS

- 2014-2017:** “*AMANDA: Algorithmics for MASSive and Networked DATA*”, MIUR PRIN 2012 – *Participant*.
- 2014-2016:** “*INTOUR: Intelligent Platform for Tourism*, MIUR Smart Cities and Communities and Social Innovation – *Participant*.”
- 2013:** “*INFINITY - Models and algorithms for the visual representation of information on the driving styles of a big dataset of drivers.*”, contract between the Department of Engineering of the University of Perugia and the company Sistematica SpA, within the regional call, Innovative Actions, FESR 2007-2013 – *Participant*
- 2010-2012:** “*ALGODEEP: Algorithmic Challenges for Data-intensive Processing on Emerging Computing Platforms*”, MIUR PRIN 2008 – *Participant*.
- 2007-2009:** “*MAINSTREAM: Algorithms for massive information structures and data streams*”, MIUR PRIN 2006 – *Participant*.
- 2006-2007:** “*AREA: Information System for Experiences of Environmental Education and Sustainable Development*”, CRIDEA Umbria Regional Project – *Participant*
- 2004-2006:** “*ALGO-NEXT: Algorithms for the Next Generation Internet and Web: Methodologies, Design and Experiments*”, MIUR PRIN 2004 – *Participant*.

- 2003-2006:** “*HEALT for ALL in LA: Improving Health Care Access and Management through eLearning for Continuous Professional Development of Family Doctors in Latin America*”, European Project, @LIS Program – *Participant*.
- 2003-2004:** “Design and implementation of software prototypes within the program: Robotic systems for preserving DNA, blood and biological materials at low temperature”, MIUR Project S606/P - Participant
- 2002-2004:** “*ALINWEB: Algorithms for Internet and the Web*”, MIUR PRIN 2002 – *Participant*.

TEACHING ACTIVITY

Emilio Di Giacomo teaches and taught in several undergraduate and master courses of the Engineering Faculty of the University of Perugia. In detail:

- 2009-today:** Teacher of **Fundamentals of Computer Science** (Undergraduate Course in Information and Electronic Engineering)
- 2010-today:** Teacher of **Algorithms and Data Structures** (Undergraduate Course in Information and Electronic Engineering)
- 2008:** Teacher of **Fundamentals of Computer Science I** (Undergraduate Course in Information and Electronic Engineering)
- 2006:** Tacher of **Fundamentals of Computer Science II** (Undergraduate Course in Management Engineering)
- 2006-2007:** Teacher of **Information Systems** (Undergraduate Course in Management Engineering)
- 2005-2009:** Teacher of **Algorithms for Internet and Web** (Undergraduate Course in Information and Electronic Engineering)
- 2005-2009:** Co-teacher of **Guidance for the Project of Computing Systems** (Master Course in Information and Telecommunication Engineering)

He also collaborated and collaborates to the teaching activity of other courses giving some lectures and doing some class exercises. In particular:

- 2010-2015:** Collaboration to the teaching of **Databases** (Master Course in Information and Automation Engineering)

2002-2009: Collaboration to the teaching of **Information Systems** (Undergraduate Course in Information and Electronic Engineering)

2003: Collaboration to the teaching of **Logic Networks** (Undergraduate Course in Information Engineering)

2002-2003: Collaboration to the teaching activity of **Information Science Methodologies for Internet** (Undergraduate Course in Information Engineering)

He has been supervisor of about 40 undergraduate and master students dissertations.

TECHNOLOGY TRANSFER

2009-2014: Emilio Di Giacomo is a co-founder of the Vis4 Srl company, started as a spin-off of the University of Perugia, and working in the Information Visualization and Visual Analytics fields. The spin-off, founded in 2009, established relevant contracts and collaborations with national and international companies and institutions, like the Financial Intelligence Agency (AIF) of the San Marino Republic and Fabrica, the advertisement company of the Benetton group. Vis4 is also one of the founding member companies of the GGB Consortium (Genomics, Genetics, and Biology), founded in the 2010 with the financial support of the Umbria Region. In November 2014, all the academic members of Vis4 have sold their shares to private entrepreneurs, and the company has changed its name.

PUBLICATIONS

Books and Book Chapters

- [B4] E. Di Giacomo, W. Didimo “Fondamenti di Informatica in Java” Maggioli Editore, 2013.
- [B3] E. Di Giacomo, G. Liotta, R. Tamassia, “Drawings of Graphs” *Handbook of Graph Theory, Second Edition*, J. Gross, J. Yellen, and P. Zhang eds., CRC Press, 2013.
- [B2] E. Di Giacomo, W. Didimo, and G. Liotta, “Spine and Radial Drawings” *Handbook of Graph Drawing and Visualization*, R. Tamassia editor, CRC Press, 2013.
- [B1] G. Liotta, E. Di Giacomo, R. Magni, and F. Corradi, “Web Solutions for Rehabilitation and Daily Life” *Assistive Technology Assessment Handbook*, S. Federici and M.J. Scherer editors, Taylor-Francis Group LLC, 2012.

Edited Proceedings and Special Issues

- [E2] E. Di Giacomo, A. Lubiw, “Special Issue of Selected Papers from the 23rd International Symposium on Graph Drawing and Network Visualization (GD 2015). Guest Editors’ Foreword” *Journal of Graph Algorithms and Applications*, 21(1) 1-3, 2017.
DOI:10.7155/jgaa.00404.
- [E1] E. Di Giacomo, A. Lubiw, “Graph Drawing and Network Visualization - 23rd International Symposium, GD 2015, Los Angeles, CA, USA, September 24-26, 2015, Revised Selected Papers” LNCS 9411, Springer, 2015, ISBN 978-3-319-27260-3.
DOI:10.1007/978-3-319-27261-0

Journal Papers

- [J37] E. Di Giacomo, G. Liotta, T. Mchedlidze “Lower and upper bounds for long induced paths in 3-connected planar graphs” *Theoretical Computer Science*, 636: 47–55, 2016.
DOI:10.1016/j.tcs.2016.04.034.
- [J36] E. Di Giacomo, G. Liotta, F. Montecchiani “Drawing Outer 1-planar Graphs with Few Slopes” *Journal of Graph Algorithms and Applications*, 19(2) 707-741, 2015.
DOI:10.7155/jgaa.00376.
- [J35] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer, S. K. Wismath “Planar and Quasi-Planar Simultaneous Geometric Embedding” *The Computer Journal*, 58 (11): 3126-3140, 2015.
DOI:10.1093/comjnl/bxv048.

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- [J34] 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: 76–86, 2015.
DOI:10.1016/j.tcs.2015.04.020.
- [J33] E. Di Giacomo, W. Didimo, L. Grilli, G. Liotta, and S. A. Romeo “Heuristics for the Maximum 2-Layer RAC Subgraph Problem” *The Computer Journal*, 58 (5): 1085–1098, 2015.
DOI:10.1093/comjnl/bxu017.
- [J32] E. Di Giacomo, G. Liotta, and H. Meijer “The Approximate Rectangle of Influence Drawability Problem” *Algorithmica*, 72 (2): 620–655, 2015.
DOI:10.1007/s00453-013-9866-0.
- [J31] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, I. G. Tollis “Techniques for Edge Stratification of Complex Graph Drawing” *Journal of Visual Languages and Computing*, 25 (4): 533-543, 2014.
DOI:10.1016/j.jvlc.2014.05.001.
- [J30] E. Di Giacomo, W. Didimo, P. Eades, and G. Liotta “2-Layer Right Angle Crossing Drawings” *Algorithmica*, 68(4), pp. 954-997, 2014.
DOI:10.1007/s00453-012-9706-7.
- [J29] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani “Area requirement of graph drawings with few crossings per edge” *Computational Geometry*, 46 (8), pp. 909-916, 2013.
DOI:10.1016/j.comgeo.2013.03.001.
- [J28] E. Di Giacomo, F. Frati, R. Fulek, L. Grilli, M. Krug “Orthogeodesic point-set embedding of trees”. *Computational Geometry*, 46 (8), pp. 929–944, 2013.
DOI:10.1016/j.comgeo.2013.04.003.
- [J27] E. Di Giacomo, L. Grilli, M. Krug, G. Liotta, I. Rutter “Hamiltonian orthogeodesic alternating paths” *Journal of Discrete Algorithms*, 16, 34–52, 2012.
DOI:10.1016/j.jda.2012.04.012.
- [J26] E. Di Giacomo, W. Didimo, P. Eades, S.-H. Hong, G. Liotta “Bounds on the crossing resolution of complete geometric graphs” *Discrete Applied Mathematics*, 160(1-2) 132-139, 2012.
DOI:10.1016/j.dam.2011.09.016.
- [J25] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer “Drawing a Tree as a Minimum Spanning Tree Approximation” *Journal of Computer and System Sciences*, 78(2) 491-503, 2012.
DOI:10.1016/j.jcss.2011.06.001.

- [J24] C. Binucci, E. Di Giacomo, W. Didimo, A. Rextin “Switch-Regular Upward Planar Embeddings of Directed Trees” *Journal of Graph Algorithms and Applications*, 15(5) 587-629, 2011.
DOI:10.7155/jgaa.00241.
- [J23] E. Di Giacomo, F. Giordano, G. Liotta “Upward Topological Book Embeddings of DAGs” *SIAM Journal on Discrete Mathematics*, 25(2), pp. 479-489, 2011.
DOI:10.1137/080731128.
- [J22] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer “Area, Curve Complexity, and Crossing Resolution of Non-Planar Graph Drawings” *Theory of Computing Systems*, 49(3), pp. 565-575, 2011.
DOI:10.1007/s00224-010-9275-6.
- [J21] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer, S. K. Wismath “Constrained Point-Set Embeddability of Planar Graphs” *International Journal of Computational Geometry and Applications*, 20(5), pp. 577-600, 2010.
DOI:10.1142/S021819591000344X.
- [J20] E. Di Giacomo, W. Didimo, G. Liotta, P. Palladino “Visual Analysis of One-To-Many Matched Graphs”. *Journal of Graph Algorithms and Applications*, 14(1), pp. 97–119, 2010.
DOI:10.7155/jgaa.00200.
- [J19] E. Di Giacomo, G. Liotta, F. Trotta “Drawing Colored Graphs with Constrained Vertex Positions and Few Bends per Edge” *Algorithmica*, 57(4), pp. 796–818, 2010.
DOI:10.1007/s00453-008-9255-2.
- [J18] C. Binucci, E. Di Giacomo, W. Didimo, A. Estrella-Balderrama, F. Frati, S. G. Kobourov, G. Liotta “Upward straight-line embeddings of directed graphs into point sets”. *Computational Geometry*, 43 (2), pp. 219-232, 2010.
DOI:10.1016/j.comgeo.2009.07.002.
- [J17] A. Rugo, M. L. Mele, G. Liotta, F. Trotta, E. Di Giacomo, S. Borsci, S. Federici “A visual sonificated web search clustering engine” *Cognitive Processing*, 10(2), pp. 286-289, 2009.
DOI:10.1007/s10339-009-0317-4.
- [J16] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer, S. K. Wismath “Point-Set Embeddings of Trees with Given Partial Drawings”. *Computational Geometry*, 42 (6-7), pp. 664-676, 2009.
DOI:10.1016/j.comgeo.2009.01.001.
- [J15] E. Di Giacomo, W. Didimo, M. van Kreveld, G. Liotta, B. Speckmann “Matched Drawings of Planar Graphs”. *Journal of Graph Algorithms and Applications*, 13

(3), pp. 423-445, 2009.

DOI:10.7155/jgaa.00193.

- [J14] E. Di Giacomo, G. Liotta, H. Meijer, S. K. Wismath “Volume Requirements of 3D Upward Drawings” *Discrete Mathematics*, 309 (8), pp. 1824-1837, 2009.

DOI:10.1016/j.disc.2007.12.061.

- [J13] M. Badent, E. Di Giacomo, G. Liotta “Drawing colored graphs on colored points” *Theoretical Computer Science*, 408(2-3), pp. 129-142, 2008.

DOI:10.1016/j.tcs.2008.08.004.

- [J12] E. Di Giacomo, L. Grilli, G. Liotta “Drawing Bipartite Graphs on Two Parallel Convex Curves” *Journal of Graph Algorithms and Applications*, 12(1), pp. 97-112, 2008.

DOI:10.7155/jgaa.00161.

- [J11] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer, F. Trotta, S. K. Wismath “ k -colored Point-set Embeddability of Outerplanar Graphs” *Journal of Graph Algorithms and Applications*, 12(1), pp. 29-49, 2008.

DOI:10.7155/jgaa.00158.

- [J10] E. Di Giacomo, W. Didimo, G. Liotta “Radial drawings of graphs: Geometric constraints and trade-offs” *Journal of Discrete Algorithms*, 6(1), pp. 109-124, 2008.

DOI:10.1016/j.jda.2006.12.007.

- [J9] E. Di Giacomo, W. Didimo, L. Grilli, G. Liotta “Graph Visualization Techniques for Web Clustering Engines” *IEEE Transactions on Visualization and Computer Graphics*, 13(2), pp. 294-304, 2007.

DOI:10.1109/TVCG.2007.40.

- [J8] E. Di Giacomo, G. Liotta “Simultaneous Embedding of Outerplanar Graphs, Paths, and Cycles” *International Journal of Computational Geometry and Applications*, 17(2), pp. 139-160, 2007.

DOI:10.1142/S0218195907002276.

- [J7] E. Di Giacomo, G. Liotta, F. Trotta “On Embedding a Graph on Two Sets of Points” *International Journal of Foundations of Computer Science*, 17(5), pp. 1071-1094, 2006.

DOI:10.1142/S0129054106004273.

- [J6] E. Di Giacomo, W. Didimo, G. Liotta, M. J. Suderman “ k -Spine, 1-bend planarity” *Theoretical Computer Science*, 359(1-3), pp. 148-175, 2006.

DOI:10.1016/j.tcs.2006.02.024.

- [J5] E. Di Giacomo, W. Didimo, G. Liotta, S. K. Wismath “Book Embeddability of Series-Parallel Digraphs”, *Algorithmica*, 45(4), pp. 531-547, 2006.
DOI:10.1007/s00453-005-1185-7.
- [J4] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer “Computing Radial Drawings on the Minimum Number of Circles” *Journal of Graph Algorithms and Applications*, 9(3), pp. 365-389, 2005.
DOI:10.7155/jgaa.00114.
- [J3] E. Di Giacomo, G. Liotta, H. Meijer “Computing Straight-line 3D Grid Drawings of Graphs in Linear Volume”. *Computational Geometry*, 32(1), pp. 26-58, 2005.
DOI:10.1016/j.comgeo.2004.11.003.
- [J2] E. Di Giacomo, W. Didimo, G. Liotta, S. K. Wismath “Curve-Constrained Drawings of Planar Graphs”. *Computational Geometry*, 30(2), pp. 1-23, 2005.
DOI:10.1016/j.comgeo.2004.04.002.
- [J1] E. Di Giacomo, G. Liotta, M. Patrignani “A Note on 3D Orthogonal Drawings with Direction Constrained Edges”. *Information Processing Letters*, 90(2), pp. 97-101, 2004.
DOI:10.1016/j.ipl.2004.01.015.

Conference Papers

- [C58] E. Di Giacomo, G. Liotta, F. Montecchiani “1-Bend Upward Planar Drawings of SP-Digraphs”. In *Proceedings of 24th International Symposium on Graph Drawing (GD 2016)*, volume 9801 of Lecture Notes in Computer Science, pp. 123–130, 2016.
DOI:10.1007/978-3-319-50106-2_10
- [C57] 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”. In *Proceedings of 24th International Symposium on Graph Drawing (GD 2016)*, volume 9801 of Lecture Notes in Computer Science, pp. 251–265, 2016.
DOI:10.1007/978-3-319-50106-2_20
- [C56] E. Di Giacomo, W. Didimo, W. S. Evans, G. Liotta, H. Meijer, F. Montecchiani, S. K. Wismath “Ortho-Polygon Visibility Representations of Embedded Graphs”. In *Proceedings of 24th International Symposium on Graph Drawing (GD 2016)*, volume 9801 of Lecture Notes in Computer Science, pp. 280–294, 2016.
DOI:10.1007/978-3-319-50106-2_22

- [C55] C. Binucci, E. Di Giacomo, I. Hossein, G. Liotta “1-page and 2-page Drawings with Bounded Number of Crossings per Edge”. In *Proceedings of 26th International Workshop on Combinatorial Algorithms (IWOCA 2015)*, volume 9538 of Lecture Notes in Computer Science, pp. 38–51, 2015.
DOI:10.1007/978-3-319-29516-9_4
- [C54] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani “Network Visualization Retargeting”. In *Proceedings of 6th International Conference on Information, Intelligence, Systems and Applications (IISA 2015)*, IEEE, 2015.
DOI:10.1109/IISA.2015.7388095
- [C53] C. Binucci, F. De Luca, E. Di Giacomo, G. Liotta, F. Montecchiani “VisFLOWer: Visual Analysis of Touristic Flows”. In *Proceedings of 6th International Conference on Information, Intelligence, Systems and Applications (IISA 2015)*, IEEE, 2015.
DOI:10.1109/IISA.2015.7388006
- [C52] E. Di Giacomo, W. Didimo, S.-H. Hong, M. Kaufmann, S. Kobourov, G. Liotta, K. Misue, A. Symvonis and H.-C. Yen “Low Ply Graph Drawing”. In *Proceedings of 6th International Conference on Information, Intelligence, Systems and Applications (IISA 2015)*, IEEE, 2015.
DOI:10.1109/IISA.2015.7388020
- [C51] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer, S. K. Wismath “Planar and Quasi Planar Simultaneous Geometric Embedding”. In *Proceedings of 22nd International Symposium on Graph Drawing (GD 2014)*, volume 8871 of Lecture Notes in Computer Science, pp. 52–63, 2014.
DOI:10.1007/978-3-662-45803-7_5
- [C50] E. Di Giacomo, G. Liotta, F. Montecchiani “Drawing Outer 1-planar graphs with few slopes”. In *Proceedings of 22nd International Symposium on Graph Drawing (GD 2014)*, volume 8871 of Lecture Notes in Computer Science, pp. 174–185, 2014.
DOI:10.1007/978-3-662-45803-7_15
- [C49] C. Binucci, E. Di Giacomo, W. Didimo, F. Montecchiani, M. Patrignani, I. G. Tollis “Fan-planar Graphs: Combinatorial Properties and Complexity Results”. In *Proceedings of 22nd International Symposium on Graph Drawing (GD 2014)*, volume 8871 of Lecture Notes in Computer Science, pp. 186–197, 2014.
DOI:10.1007/978-3-662-45803-7_16
- [C48] E. Di Giacomo, W. Didimo, M. Kaufmann, G. Liotta, F. Montecchiani “Upward-rightward planar drawings”. In *Proceedings of 5th International Conference on Information, Intelligence, Systems and Applications (IISA 2014)*, IEEE, pp. 145–150, 2014.
DOI:10.1109/IISA.2014.6878792

- [C47] E. Di Giacomo, G. Liotta, and F. Montecchiani “The planar slope number of sub-cubic graphs”. In *Proceedings of 11th Latin American Theoretical Informatics Symposium (LATIN 2014)*, volume 8392 of Lecture Notes in Computer Science, pp. 132–143, 2014.
DOI:10.1007/978-3-642-54423-1_12
- [C46] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani, and I. G. Tollis “Exploring Complex Drawings via Edge Stratification”. In *Proceedings of 21th International Symposium on Graph Drawing (GD 2013)*, volume 8242 of Lecture Notes in Computer Science, pp. 304–315, 2013.
DOI:10.1007/978-3-319-03841-4_27
- [C45] E. Di Giacomo, G. Liotta, T. Mchedlidze “Lower and Upper Bounds for Long Induced Paths in 3-Connected Planar Graphs”. In *Proceedings of 39th International Workshop on Graph Theoretic Concepts in Computer Science (WG 2013)*, volume 8165 of Lecture Notes in Computer Science, pp. 213–224, 2013.
DOI:10.1007/978-3-642-45043-3_19
- [C44] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani “Area Requirement of Graph Drawings with Few Crossings per Edge”. *29th European Workshop on Computational Geometry (EUROCG 2013)*, 2013.
- [C43] E. Di Giacomo, G. Liotta, H. Meijer “The Approximate Rectangle of Influence Drawability Problem”. In *Proceedings of 20th International Symposium on Graph Drawing (GD 2012)*, volume 7704 of Lecture Notes in Computer Science, pp. 114–125, 2013.
DOI:10.1007/978-3-642-36763-2_11
- [C42] E. Di Giacomo, W. Didimo, G. Liotta, F. Montecchiani “ h -quasi planar Drawings of Bounded Treewidth Graphs in Linear Area”. In *Proceedings of 38th International Workshop on Graph Theoretic Concepts in Computer Science (WG 2012)*, volume 7551 of Lecture Notes in Computer Science, pp. 91–102, 2012.
DOI:10.1007/978-3-642-34611-8_12
- [C41] E. Di Giacomo, W. Didimo, L. Grilli, G. Liotta, S. A. Romeo “Heuristics for the Maximum 2-layer RAC Subgraph Problem”. In Md. S. Rahman and S.-I. Nakano, editors, *Proceedings of 6th Workshop on Algorithms and Computation (WALCOM 2012)*, volume 7157 of Lecture Notes in Computer Science, pp. 211–216, 2012.
DOI:10.1007/978-3-642-28076-4_21
- [C40] E. Di Giacomo, F. Frati, R. Fulek, L. Grilli, M. Krug “Orthogeodesic Point-Set Embedding of Trees”. In M. van Kreveld and B. Speckmann, editors, *Proceedings of 19th International Symposium on Graph Drawing (GD 2011)*, volume 7034 of Lecture Notes in Computer Science, pp. 52–63, 2012.
DOI:10.1007/978-3-642-25878-7_6

- [C39] E. Di Giacomo, L. Grilli, M. Krug, G. Liotta, I. Rutter “Hamiltonian Orthogeodesic Alternating Paths”. In *Proceedings of the International Workshop on Combinatorial Algorithms (IWOCA 2011)*, volume 7056 of Lecture Notes in Computer Science, pp. 170–181, 2011.
DOI:10.1007/978-3-642-25011-8_13
- [C38] E. Di Giacomo, W. Didimo, P. Eades, G. Liotta “2-Layer Right Angle Crossing Drawings”. In *Proceedings of the International Workshop on Combinatorial Algorithms (IWOCA 2011)*, volume 7056 of Lecture Notes in Computer Science, pp. 156–169, 2011.
DOI:10.1007/978-3-642-25011-8_13
- [C37] E. Di Giacomo, W. Didimo, G. Liotta, H. Meijer “Drawing a Tree as a Minimum Spanning Tree Approximation”. In O. Cheong, K.-Y. Chwa, and K. Park, editors, *Proceedings of 21st International Symposium on Algorithms and Computation (ISAAC 2010), Part II*, volume 6507 of Lecture Notes in Computer Science, pp. 61–72, 2010.
DOI:10.1007/978-3-642-17514-5_6
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