References

[1] Adel Ahmed, Tim Dwyer, Michael Forster, Xiaoyan Fu, Joshua Ho, Seok-Hee Hong, Dirk Koschützki, Colin Murray, Nikola S. Nikolov, Ronnie Taib, Alexandre Tarassov, and Kai Xu. Geomi: Geometry for maximum insight. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 468–479. Springer-Verlag, Berlin-Heidelberg, 2006.

[2] Michael A. Bekos and Antonios Symvonis. Bler: A Boundary Labeller for technical drawings. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 503–504. Springer-Verlag, Berlin-Heidelberg, 2006.

[3] Therese Biedl, Franz J. Brandenburg, and Xiaotie Deng. Crossings and permutations. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 1–12. Springer-Verlag, Berlin-Heidelberg, 2006.

[4] Therese Biedl, Anna Lubiw, and Michael J. Spriggs. Morphing planar graphs while preserving edge directions. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 13–24. Springer-Verlag, Berlin-Heidelberg, 2006.

[5] Mustafa Bilgic, Louis Licamele, Lise Getoor, and Ben Shneiderman. D-dupe: An interactive tool for entity resolution in social networks. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 505–507. Springer-Verlag, Berlin-Heidelberg, 2006.

[6] John M. Boyer. A new method for efficiently generating planar graph visibility representations. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Draw-*

ing, GD'2005 (Limerick, Ireland, September 12-14, 2005), volume 3843 of *LNCS*, pages 508–511. Springer-Verlag, Berlin-Heidelberg, 2006.

[7] Ulrik Brandes, Daniel Fleischer, and Thomas Puppe. Dynamic spectral layout of small worlds. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 25–36. Springer-Verlag, Berlin-Heidelberg, 2006.

[8] Christoph Buchheim, Dietmar Ebner, Michael Jünger, Gunnar W. Klau, Petra Mutzel, and René Weiskircher. Exact crossing minimization. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 37–48. Springer-Verlag, Berlin-Heidelberg, 2006.

[9] Ali Civril, Malik Magdon-Ismail, and Eli Bocek-Rivele. Sde: Graph drawing using spectral distance embedding. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 512–513. Springer-Verlag, Berlin-Heidelberg, 2006.

[10] Pier Francesco Cortese, Giuseppe Di Battista, Maurizio Patrignani, and Maurizio Pizzonia. On embedding a cycle in a plane graph. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 49–60. Springer-Verlag, Berlin-Heidelberg, 2006.

[11] Mark de Berg, Elena Mumford, and Bettina Speckmann. On rectilinear duals for vertex-weighted plane graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 61–72. Springer-Verlag, Berlin-Heidelberg, 2006.

[12] Alice M. Dean, William Evans, Ellen Gethner, Joshua D. Laison, Mohammad Ali Safari, and William T. Trotter. Bar k-visibility graphs: Bounds on the number of edges, chromatic number, and thickness. In

Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 73–82. Springer-Verlag, Berlin-Heidelberg, 2006.

[13] Olivier Devillers, Hazel Everett, Sylvain Lazard, Maria Pentcheva, and Stephen K. Wismath. Drawing k_n in three dimensions with one bend per edge. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 83–88. Springer-Verlag, Berlin-Heidelberg, 2006.

[14] Giuseppe Di Battista and Fabrizio Frati. Small area drawings of outerplanar graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 89–100. Springer-Verlag, Berlin-Heidelberg, 2006.

[15] Emilio Di Giacomo, Walter Didimo, Luca Grilli, and Giuseppe Liotta. Whatsonweb: Using graph drawing to search the web. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 480–491. Springer-Verlag, Berlin-Heidelberg, 2006.

[16] Emilio Di Giacomo, Giuseppe Liotta, Henk Meijer, and Stephen K. Wismath. Volume requirements of 3d upward drawings. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 101–110. Springer-Verlag, Berlin-Heidelberg, 2006.

[17] Emilio Di Giacomo, Giuseppe Liotta, and Francesco Trotta. How to embed a path onto two sets of points. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 111–116. Springer-Verlag, Berlin-Heidelberg, 2006.

[18] Walter Didimo, Francesco Giordano, and Giuseppe Liotta. Upward spirality and upward planarity testing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 117–128. Springer-Verlag, Berlin-Heidelberg, 2006.

[19] Vida Dujmović and David R. Wood. Graph treewidth and geometric thickness parameters. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 129–140. Springer-Verlag, Berlin-Heidelberg, 2006.

[20] Christian A. Duncan, Stephen G. Kobourov, and Dorothea Wagner. Graph-drawing contest report. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 528–531. Springer-Verlag, Berlin-Heidelberg, 2006.

[21] Tim Dwyer, Yehuda Koren, and Kim Marriott. Stress majorization with orthogonal ordering constraints. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 141–152. Springer-Verlag, Berlin-Heidelberg, 2006.

[22] Tim Dwyer, Kim Marriott, and Peter J. Stuckey. Fast node overlap removal. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 153–164. Springer-Verlag, Berlin-Heidelberg, 2006.

[23] David Eppstein, Michael T. Goodrich, and Jeremy Yu Meng. Delta-confluent drawings. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 165–176. Springer-Verlag, Berlin-Heidelberg, 2006.

[24] Éric Fusy. Transversal structures on triangulations, with application to straight-line drawing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing,*

GD'2005 (Limerick, Ireland, September 12-14, 2005), volume 3843 of *LNCS*, pages 177–188. Springer-Verlag, Berlin-Heidelberg, 2006.

[25] Marco Gaertler and Dorothea Wagner. A hybrid model for drawing dynamic and evolving graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 189–200. Springer-Verlag, Berlin-Heidelberg, 2006.

[26] Markus Geyer, Michael Kaufmann, and Imrich Vrt'o. Two trees which are self-intersecting when drawn simultaneously. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 201–210. Springer-Verlag, Berlin-Heidelberg, 2006.

[27] Michael T. Goodrich, George S. Lueker, and Jonathan Z. Sun. c-planarity of extrovert clustered graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 211–222. Springer-Verlag, Berlin-Heidelberg, 2006.

[28] Carsten Gutwenger and Markus Chimani. Non-planar core reduction of graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 223–234. Springer-Verlag, Berlin-Heidelberg, 2006.

[29] Stefan Hachul and Michael Jünger. An experimental comparison of fast algorithms for drawing general large graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 235–250. Springer-Verlag, Berlin-Heidelberg, 2006.

[30] Joshua Ho and Seok-Hee Hong. Drawing clustered graphs in three dimensions. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of*

the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005), volume 3843 of *LNCS*, pages 492–502. Springer-Verlag, Berlin-Heidelberg, 2006.

[31] Seok-Hee Hong. Multiplane: A new framework for drawing graphs in three dimensions. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 514–515. Springer-Verlag, Berlin-Heidelberg, 2006.

[32] Seok-Hee Hong. Network analysis and visualisation. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 524–527. Springer-Verlag, Berlin-Heidelberg, 2006.

[33] Seok-Hee Hong and Nikola S. Nikolov. Hierarchical layouts of directed graphs in three dimensions. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 251–261. Springer-Verlag, Berlin-Heidelberg, 2006.

[34] Weidong Huang, Seok-Hee Hong, and Peter Eades. Layout effects on sociogram perception. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 262–273. Springer-Verlag, Berlin-Heidelberg, 2006.

[35] Jan Kynčl and Pavel Valtr. On edges crossing few other edges in simple topological complete graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 274–284. Springer-Verlag, Berlin-Heidelberg, 2006.

[36] Bongshin Lee, Cynthia Sims Parr, Catherine Plaisant, and Benjamin B. Bederson. Visualizing graphs as trees: Plant a seed and watch it grow. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 516–518. Springer-Verlag, Berlin-Heidelberg, 2006.

[37] Chun-Cheng Lin and Hsu-Chun Yen. On balloon drawings of rooted trees. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 285–296. Springer-Verlag, Berlin-Heidelberg, 2006.

[38] Kurt Mehlhorn. Minimum cycle bases and surface reconstruction. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 532–532. Springer-Verlag, Berlin-Heidelberg, 2006.

[39] Kazuyuki Miura, Machiko Azuma, and Takao Nishizeki. Convex drawings of plane graphs of minimum outer apices. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 297–308. Springer-Verlag, Berlin-Heidelberg, 2006.

[40] Andreas Noack. Energy-based clustering of graphs with nonuniform degrees. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 309–320. Springer-Verlag, Berlin-Heidelberg, 2006.

[41] Martin Nöllenburg and Alexander Wolff. A mixed-integer program for drawing high-quality metro maps. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 321–333. Springer-Verlag, Berlin-Heidelberg, 2006.

[42] János Pach and Géza Tóth. Crossing number of toroidal graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 334–342. Springer-Verlag, Berlin-Heidelberg, 2006.

[43] Charis Papadopoulos and Constantinos Voglis. Drawing graphs using modular decomposition. In Patrick Healy and Nikola S. Nikolov, editors,

Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005), volume 3843 of *LNCS*, pages 343–354. Springer-Verlag, Berlin-Heidelberg, 2006.

[44] Charalampos Papamanthou and Ioannis G. Tollis. Applications of parameterized *st*-orientations in graph drawing algorithms. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 355–367. Springer-Verlag, Berlin-Heidelberg, 2006.

[45] Maurizio Patrignani. Complexity results for three-dimensional orthogonal graph drawing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 368–379. Springer-Verlag, Berlin-Heidelberg, 2006.

[46] Maurizio Patrignani. On extending a partial straight-line drawing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 380–385. Springer-Verlag, Berlin-Heidelberg, 2006.

[47] Michael J. Pelsmajer, Marcus Schaefer, and Daniel Štefankovič. Odd crossing number is not crossing number. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 386–396. Springer-Verlag, Berlin-Heidelberg, 2006.

[48] Maurizio Pizzonia. Minimum depth graph embeddings and quality of the drawings: An experimental analysis. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 397–408. Springer-Verlag, Berlin-Heidelberg, 2006.

[49] Sheung-Hung Poon. On straightening low-diameter unit trees. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland,*

September 12-14, 2005), volume 3843 of *LNCS*, pages 519–521. Springer-Verlag, Berlin-Heidelberg, 2006.

[50] Md. Saidur Rahman, Noritsugu Egi, and Takao Nishizeki. No-bend orthogonal drawings of series-parallel graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 409–420. Springer-Verlag, Berlin-Heidelberg, 2006.

[51] George G. Robertson. Hierarchy visualization: From research to practice. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 533–533. Springer-Verlag, Berlin-Heidelberg, 2006.

[52] Martin Siebenhaller and Michael Kaufmann. Mixed upward planarization — fast and robust. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 522–523. Springer-Verlag, Berlin-Heidelberg, 2006.

[53] Ileana Streinu. Parallel-redrawing mechanisms, pseudo-triangulations and kinetic planar graphs. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 421–433. Springer-Verlag, Berlin-Heidelberg, 2006.

[54] Matthew Suderman. Proper and planar drawings of graphs on three layers. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 434–445. Springer-Verlag, Berlin-Heidelberg, 2006.

[55] Michael Wybrow, Kim Marriott, and Peter J. Stuckey. Incremental connector routing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 446–457. Springer-Verlag, Berlin-Heidelberg, 2006.

[56] Huaming Zhang and Xin He. An application of well-orderly trees in graph drawing. In Patrick Healy and Nikola S. Nikolov, editors, *Proceedings of the 13th International Symposium on Graph Drawing, GD'2005 (Limerick, Ireland, September 12-14, 2005)*, volume 3843 of *LNCS*, pages 458–467. Springer-Verlag, Berlin-Heidelberg, 2006.