

## References

- [1] Hee-Kap Ahn, Sang Won Bae, and Shin-ichi Tanigawa. Rectilinear covering for imprecise input points. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 309–318. Springer-Verlag, Berlin-Heidelberg, 2012.
- [2] Hee-Kap Ahn, Hyo-Sil Kim, Sang-Sub Kim, and Wanbin Son. Computing  $k$ -center over streaming data for small  $k$ . In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 54–63. Springer-Verlag, Berlin-Heidelberg, 2012.
- [3] Tatsuya Akutsu and Takeyuki Tamura. On the complexity of the maximum common subgraph problem for partial  $k$ -trees of bounded degree. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 146–155. Springer-Verlag, Berlin-Heidelberg, 2012.
- [4] Patrizio Angelini, Carla Binucci, William Evans, Ferran Hurtado, Giuseppe Liotta, Tamara Mchedlidze, Henk Meijer, and Yoshio Okamoto. Universal point subsets for planar graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 423–432. Springer-Verlag, Berlin-Heidelberg, 2012.
- [5] Sepehr Assadi, Ehsan Emanjomeh-Zadeh, Ashkan Norouzi-Fard, Sadra Yazdanbod, and Hamid Zarrabi-Zadeh. The minimum vulnerability problem. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 382–391. Springer-Verlag, Berlin-Heidelberg, 2012.

- [6] Sang Won Bae, Yoshio Okamoto, and Chan-Su Shin. Area bounds of rectilinear polygons realized by angle sequences. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 629–638. Springer-Verlag, Berlin-Heidelberg, 2012.
- [7] Evripidis Bampis, Dimitrios Letsios, and Giorgio Lucarelli. Green scheduling, flows and matchings. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 106–115. Springer-Verlag, Berlin-Heidelberg, 2012.
- [8] Rémy Belmonte, Pim van 't Hof, and Marcin Kamiński. Induced immersions. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 299–308. Springer-Verlag, Berlin-Heidelberg, 2012.
- [9] Binay Bhattacharya, Tsunehiko Kameda, and Zhao Song. Computing minmax regret 1-median on a tree network with positive/negative vertex weights. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 588–597. Springer-Verlag, Berlin-Heidelberg, 2012.
- [10] Andreas Brandstädt, Arne Leitert, and Dieter Rautenbach. Efficient dominating and edge dominating sets for graphs and hypergraphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 267–277. Springer-Verlag, Berlin-Heidelberg, 2012.
- [11] Gerth Stølting Brodal, Jesper Sindahl Nielsen, and Jakob Truelsen. Finger search in the implicit model. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan,*

December 19-21, 2012), volume 7676 of *LNCS*, pages 527–536. Springer-Verlag, Berlin-Heidelberg, 2012.

- [12] Andrej Brodnik and Marko Grgurovič. Speeding up shortest path algorithms. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 156–165. Springer-Verlag, Berlin-Heidelberg, 2012.
- [13] Timothy M. Chan. Combinatorial geometry and approximation algorithms. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg, 2012.
- [14] Panagiotis Cheilaris, Luisa Gargano, Adele A. Rescigno, and Shakhar Smorodinsky. Strong conflict-free coloring for intervals. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 4–13. Springer-Verlag, Berlin-Heidelberg, 2012.
- [15] Danny Z. Chen, Xuehou Tan, Haitao Wang, and Gangshan Wu. Optimal point movement for covering circular regions. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 332–341. Springer-Verlag, Berlin-Heidelberg, 2012.
- [16] Danny Z. Chen and Haitao Wang. Weak visibility queries of line segments in simple polygons. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 609–618. Springer-Verlag, Berlin-Heidelberg, 2012.
- [17] Wei Chen, Wenjie Fang, Guangda Hu, and Michael W. Mahoney. On the hyperbolicity of small-world and tree-like random graphs. In Kun-

- Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 278–288. Springer-Verlag, Berlin-Heidelberg, 2012.
- [18] Erik D. Demaine. Origami robots and star trek replicators. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 3–3. Springer-Verlag, Berlin-Heidelberg, 2012.
- [19] Xiaotie Deng, Paul Goldberg, Bo Tang, and Jinshan Zhang. Revenue maximization in a bayesian double auction market. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 690–699. Springer-Verlag, Berlin-Heidelberg, 2012.
- [20] Yann Disser and Jannik Matuschke. Degree-constrained orientations of embedded graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 506–516. Springer-Verlag, Berlin-Heidelberg, 2012.
- [21] Reza Dorrigiv, Meng He, and Norbert Zeh. On the advice complexity of buffer management. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 136–145. Springer-Verlag, Berlin-Heidelberg, 2012.
- [22] Stephane Durocher, Alexandre Leblanc, Jason Morrison, and Matthew Skala. Robust nonparametric data approximation of point sets via data reduction. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 319–331. Springer-Verlag, Berlin-Heidelberg, 2012.

- [23] Chinmoy Dutta and Jaikumar Radhakrishnan. More on a problem of zarankiewicz. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 257–266. Springer-Verlag, Berlin-Heidelberg, 2012.
- [24] Fabrizio Frati, Joachim Gudmundsson, and Emo Welzl. On the number of upward planar orientations of maximal planar graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 413–422. Springer-Verlag, Berlin-Heidelberg, 2012.
- [25] Tobias Friedrich and Anton Krohmer. Parameterized clique on scale-free networks. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 659–668. Springer-Verlag, Berlin-Heidelberg, 2012.
- [26] Norie Fu. A strongly polynomial time algorithm for the shortest path problem on coherent planar periodic graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 392–401. Springer-Verlag, Berlin-Heidelberg, 2012.
- [27] Sumit Ganguly. Precision vs confidence tradeoffs for  $\ell_2$ -based frequency estimation in data streams. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 64–74. Springer-Verlag, Berlin-Heidelberg, 2012.
- [28] Petr A. Golovach, Dieter Kratsch, and Daniël Paulusma. Detecting induced minors in at-free graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium*

- on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 495–505. Springer-Verlag, Berlin-Heidelberg, 2012.
- [29] Petr A. Golovach, Daniël Paulusma, and Jian Song. Closing complexity gaps for coloring problems on  $h$ -free graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 14–23. Springer-Verlag, Berlin-Heidelberg, 2012.
- [30] Jiong Guo and Yash Raj Shrestha. Kernelization and parameterized complexity of star editing and union editing. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 126–135. Springer-Verlag, Berlin-Heidelberg, 2012.
- [31] Tanja Hartmann, Jonathan Rollin, and Ignaz Rutter. Cubic augmentation of planar graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 402–412. Springer-Verlag, Berlin-Heidelberg, 2012.
- [32] Tanja Hartmann and Dorothea Wagner. Fast and simple fully-dynamic cut tree construction. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 95–105. Springer-Verlag, Berlin-Heidelberg, 2012.
- [33] Meng He, J. Ian Munro, and Gelin Zhou. A framework for succinct labeled ordinal trees over large alphabets. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 537–547. Springer-Verlag, Berlin-Heidelberg, 2012.

- [34] Meng He, Patrick K. Nicholson, and Norbert Zeh. A space-efficient framework for dynamic point location. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 548–557. Springer-Verlag, Berlin-Heidelberg, 2012.
- [35] Pavol Hell, Miki Hermann, and Mayssam Mohammadi Nevisi. Counting partitions of graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 227–236. Springer-Verlag, Berlin-Heidelberg, 2012.
- [36] Danny Hermelin, Romeo Rizzi, and Stéphane Vialette. Algorithmic aspects of the intersection and overlap numbers of a graph. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 465–474. Springer-Verlag, Berlin-Heidelberg, 2012.
- [37] John E. Hopcroft. Future directions in computer science research. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2012.
- [38] Yamming Huang and Chung-Shou Liao. The canadian traveller problem revisited. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 352–361. Springer-Verlag, Berlin-Heidelberg, 2012.
- [39] Takehiro Ito, Kazuto Kawamura, Hirotaka Ono, and Xiao Zhou. Reconfiguration of list  $l(2,1)$ -labelings in a graph. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 34–43. Springer-Verlag, Berlin-Heidelberg, 2012.

- [40] Takehiro Ito, Shin-ichi Nakano, Yoshio Okamoto, Yota Otachi, Ryuhei Uehara, Takeaki Uno, and Yushi Uno. A 4.31-approximation for the geometric unique coverage problem on unit disks. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 372–381. Springer-Verlag, Berlin-Heidelberg, 2012.
- [41] Konstanty Junosza-Szaniawski, Jan Kratochvíl, Martin Pergel, and Paweł Rzażewski. Beyond homothetic polygons: Recognition and maximum clique. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 619–628. Springer-Verlag, Berlin-Heidelberg, 2012.
- [42] Tomohiro Kan, Shoichi Higuchi, and Kouichi Hirata. Segmental mapping and distance for rooted labeled ordered trees. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 485–494. Springer-Verlag, Berlin-Heidelberg, 2012.
- [43] Mamadou Moustapha Kanté, Vincent Limouzy, Arnaud Mary, and Lhouari Nourine. On the neighbourhood helly of some graph classes and applications to the enumeration of minimal dominating sets. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 289–298. Springer-Verlag, Berlin-Heidelberg, 2012.
- [44] Mong-Jen Kao, Jian-Jia Chen, Ignaz Rutter, and Dorothea Wagner. Competitive design and analysis for machine-minimizing job scheduling problem. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 75–84. Springer-Verlag, Berlin-Heidelberg, 2012.



- [45] Jan-Philipp W. Kappmeier, Jannik Matuschke, and Britta Peis. Abstract flows over time: A first step towards solving dynamic packing problems. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 433–443. Springer-Verlag, Berlin-Heidelberg, 2012.
- [46] Akitoshi Kawamura and Yusuke Kobayashi. Fence patrolling by mobile agents with distinct speeds. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 598–608. Springer-Verlag, Berlin-Heidelberg, 2012.
- [47] Nanao Kita. A partially ordered structure and a generalization of the canonical partition for general graphs with perfect matchings. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 85–94. Springer-Verlag, Berlin-Heidelberg, 2012.
- [48] Pavel Klavík, Jan Kratochvíl, Yota Otachi, and Toshiki Saitoh. Extending partial representations of subclasses of chordal graphs. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 444–454. Springer-Verlag, Berlin-Heidelberg, 2012.
- [49] Johannes Köbler, Sebastian Kuhnert, and Osamu Watanabe. Interval graph representation with given interval and intersection lengths. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 517–526. Springer-Verlag, Berlin-Heidelberg, 2012.
- [50] Tomasz Kociumaka, Jakub Pachocki, Jakub Radoszewski, Wojciech Rytter, and Tomasz Waleń. Efficient counting of square substrings in a tree. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee,

- editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 207–216. Springer-Verlag, Berlin-Heidelberg, 2012.
- [51] Tsvi Kopelowitz and Nimrod Talmon. Selection in the presence of memory faults, with applications to in-place resilient sorting. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 558–567. Springer-Verlag, Berlin-Heidelberg, 2012.
- [52] Ching-Chen Kuo and Hsueh-I Lu. Randomly coloring regular bipartite graphs and graphs with bounded common neighbors. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 24–33. Springer-Verlag, Berlin-Heidelberg, 2012.
- [53] François Le Gall. A time-efficient output-sensitive quantum algorithm for boolean matrix multiplication. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 639–648. Springer-Verlag, Berlin-Heidelberg, 2012.
- [54] Yunlong Liu and Xiaodong Wu. Solving circular integral block decomposition in polynomial time. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 342–351. Springer-Verlag, Berlin-Heidelberg, 2012.
- [55] Christos Makris and Konstantinos Tsakalidis. An improved algorithm for static 3d dominance reporting in the pointer machine. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 568–577. Springer-Verlag, Berlin-Heidelberg, 2012.

- [56] Arya Mazumdar. On almost disjoint matrices for group testing. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 649–658. Springer-Verlag, Berlin-Heidelberg, 2012.
- [57] Hiroshi Nagamochi. Linear layouts in submodular systems. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 475–484. Springer-Verlag, Berlin-Heidelberg, 2012.
- [58] Yota Otachi. Isomorphism for graphs of bounded connected-path-distance-width. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 455–464. Springer-Verlag, Berlin-Heidelberg, 2012.
- [59] Katarzyna Paluch. Popular and clan-popular  $b$ -matchings. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 116–125. Springer-Verlag, Berlin-Heidelberg, 2012.
- [60] Evanthia Papadopoulou and Sandeep Kumar Dey. On the farthest line-segment voronoi diagram. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 187–196. Springer-Verlag, Berlin-Heidelberg, 2012.
- [61] Evanthia Papadopoulou and Maksym Zavershynskiy. On higher order voronoi diagrams of line segments. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 177–186. Springer-Verlag, Berlin-Heidelberg, 2012.

- [62] Riku Saikkonen and Eljas Soisalon-Soininen. A general method for improving insertion-based adaptive sorting. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 217–226. Springer-Verlag, Berlin-Heidelberg, 2012.
- [63] Yoshifumi Sakai. Computing the longest common subsequence of two run-length encoded strings. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 197–206. Springer-Verlag, Berlin-Heidelberg, 2012.
- [64] H.F. Ting and Xiangzhong Xiang. Multi-unit auctions with budgets and non-uniform valuations. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 669–678. Springer-Verlag, Berlin-Heidelberg, 2012.
- [65] Takeaki Uno. Efficient computation of power indices for weighted majority games. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 679–689. Springer-Verlag, Berlin-Heidelberg, 2012.
- [66] René van Bevern, Matthias Mnich, Rolf Niedermeier, and Mathias Weller. Interval scheduling and colorful independent sets. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 247–256. Springer-Verlag, Berlin-Heidelberg, 2012.
- [67] Marc van Kreveld, Maarten Löffler, and János Pach. How many potatoes are in a mesh? In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December*

- 19-21, 2012), volume 7676 of *LNCS*, pages 166–176. Springer-Verlag, Berlin-Heidelberg, 2012.
- [68] Prudence W.H. Wong, Fencol C.C. Yung, and Mihai Burcea. An  $8/3$  lower bound for online dynamic bin packing. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 44–53. Springer-Verlag, Berlin-Heidelberg, 2012.
- [69] Tomoyuki Yamakami. Constant unary constraints and symmetric real-weighted counting csps. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 237–246. Springer-Verlag, Berlin-Heidelberg, 2012.
- [70] Hung-I Yu and Cheng-Chung Li. The multi-service center problem. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 578–587. Springer-Verlag, Berlin-Heidelberg, 2012.
- [71] Wei Yu, Mordecai Golin, and Guochuan Zhang. Vehicle scheduling on a graph revisited. In Kun-Mao Chao, Tsan-sheng Hsu, and Der-Tsai Lee, editors, *Proceedings of the 23rd International Symposium on Algorithms and Computation, ISAAC'2012 (Taipei, Taiwan, December 19-21, 2012)*, volume 7676 of *LNCS*, pages 362–371. Springer-Verlag, Berlin-Heidelberg, 2012.