References

[1] Martín Abadi and Bogdan Warinschi. Password-based encryption analyzed. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 664–676. Springer-Verlag, Berlin-Heidelberg, 2005.

[2] Parosh Aziz Abdulla, Johann Deneux, Joël Ouaknine, and James Worrell. Decidability and complexity results for timed automata via channel machines. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1089–1101. Springer-Verlag, Berlin-Heidelberg, 2005.

[3] Stephen Alstrup, Inge Li Gørtz, Theis Rauhe, Mikkel Thorup, and Uri Zwick. Union-find with constant time deletions. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 78–89. Springer-Verlag, Berlin-Heidelberg, 2005.

[4] Rajeev Alur, Viraj Kumar, P. Madhusudan, and Mahesh Viswanathan. Congruences for visibly pushdown languages. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1102–1114. Springer-Verlag, Berlin-Heidelberg, 2005.

[5] Christoph Ambühl. An optimal bound for the mst algorithm to compute energy efficient broadcast trees in wireless networks. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lis-*

bon, Portugal, July 11-15, 2005), volume 3580 of *LNCS*, pages 1139–1150. Springer-Verlag, Berlin-Heidelberg, 2005.

[6] Eugene Asarin and Pieter Collins. Noisy turing machines. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1031–1042. Springer-Verlag, Berlin-Heidelberg, 2005.

[7] Albert Atserias, Anuj Dawar, and Martin Grohe. Preservation under extensions on well-behaved finite structures. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1437–1449. Springer-Verlag, Berlin-Heidelberg, 2005.

[8] Chen Avin and Gunes Ercal. On the cover time of random geometric graphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 677–689. Springer-Verlag, Berlin-Heidelberg, 2005.

[9] Mihai Bădoiu, Artur Czumaj, Piotr Indyk, and Christian Sohler. Facility location in sublinear time. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 866–877. Springer-Verlag, Berlin-Heidelberg, 2005.

[10] Eric Badouel, Jules Chenou, and Goulven Guillou. Petri algebras. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 742–754. Springer-Verlag, Berlin-Heidelberg, 2005.

[11] Michael Baldamus, Joachim Parrow, and Björn Victor. A fully abstract encoding of the π-calculus with data terms. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1202–1213. Springer-Verlag, Berlin-Heidelberg, 2005.

[12] Mathieu Baudet, Véronique Cortier, and Steve Kremer. Computationally sound implementations of equational theories against passive adversaries. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 652–663. Springer-Verlag, Berlin-Heidelberg, 2005.

[13] Marie-Pierre Béal, Sylvain Lombardy, and Jacques Sakarovitch. On the equivalence of z-automata. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 397–409. Springer-Verlag, Berlin-Heidelberg, 2005.

[14] Paul Beame, Toniann Pitassi, and Nathan Segerlind. Lower bounds for lovász-schrijver systems and beyond follow from multiparty communication complexity. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1176–1188. Springer-Verlag, Berlin-Heidelberg, 2005.

[15] Martin Beaudry, François Lemieux, and Denis Thérien. Groupoids that recognize only regular languages. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 421–433. Springer-Verlag, Berlin-Heidelberg, 2005.

[16] Petra Berenbrink, Tom Friedetzky, and Russell Martin. Dynamic diffusion load balancing. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1386–1398. Springer-Verlag, Berlin-Heidelberg, 2005.

[17] Philip Bille and Inge Li Gørtz. The tree inclusion problem: In optimal space and faster. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 66–77. Springer-Verlag, Berlin-Heidelberg, 2005.

[18] Allan Borodin, David Cashman, and Avner Magen. How well can primal-dual and local-ratio algorithms perform? In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 943–955. Springer-Verlag, Berlin-Heidelberg, 2005.

[19] Aaron R. Bradley, Zohar Manna, and Henny B. Sipma. The polyranking principle. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1349–1361. Springer-Verlag, Berlin-Heidelberg, 2005.

[20] An Braeken, Yuri Borissov, Svetla Nikova, and Bart Preneel. Classification of boolean functions of 6 variables or less with respect to some cryptographic properties. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 324–334. Springer-Verlag, Berlin-Heidelberg, 2005.

[21] Gerth Stølting Brodal, Rolf Fagerberg, and Gabriel Moruz. Cache-aware and cache-oblivious adaptive sorting. In Luís Caires, Giuseppe F.

Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 576–588. Springer-Verlag, Berlin-Heidelberg, 2005.

[22] Matthew Cary, Atri Rudra, and Ashish Sabharwal. On the hardness of embeddings between two finite metrics. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1412–1423. Springer-Verlag, Berlin-Heidelberg, 2005.

[23] Giuseppe Castagna and Alain Frisch. A gentle introduction to semantic subtyping. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 30–34. Springer-Verlag, Berlin-Heidelberg, 2005.

[24] Dario Catalano and Ivan Visconti. Hybrid trapdoor commitments and their applications. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 298–310. Springer-Verlag, Berlin-Heidelberg, 2005.

[25] Wun-Tat Chan, Tak-Wah Lam, and Prudence W.H. Wong. Dynamic bin packing of unit fractions items. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 614–626. Springer-Verlag, Berlin-Heidelberg, 2005.

[26] Krishnendu Chatterjee, Luca de Alfaro, and Thomas A. Henzinger. The complexity of stochastic rabin and streett games. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti

Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 878–890. Springer-Verlag, Berlin-Heidelberg, 2005.

[27] Arkadev Chattopadhyay and Kristoffer Arnsfelt Hansen. Lower bounds for circuits with few modular and symmetric gates. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 994–1005. Springer-Verlag, Berlin-Heidelberg, 2005.

[28] Yannick Chevalier and Michaël Rusinowitch. Combining intruder theories. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 639–651. Springer-Verlag, Berlin-Heidelberg, 2005.

[29] Ehsan Chiniforooshan, Arash Farzan, and Mehdi Mirzazadeh. Worst case optimal union-intersection expression evaluation. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 179–190. Springer-Verlag, Berlin-Heidelberg, 2005.

[30] Bogdan S. Chlebus, Leszek Gąsieniec, Dariusz R. Kowalski, and Tomasz Radzik. On the wake-up problem in radio networks. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 347–359. Springer-Verlag, Berlin-Heidelberg, 2005.

[31] Reuven Cohen, Pierre Fraigniaud, David Ilcinkas, Amos Korman, and David Peleg. Label-guided graph exploration by a finite automaton. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi,

and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 335–346. Springer-Verlag, Berlin-Heidelberg, 2005.

[32] Giovanni Conforti, Damiano Macedonio, and Vladimiro Sassone. Spatial logics for bigraphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 766–778. Springer-Verlag, Berlin-Heidelberg, 2005.

[33] Eugen Czeizler and Jarkko Kari. A tight linear bound on the neighborhood of inverse cellular automata. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 410–420. Springer-Verlag, Berlin-Heidelberg, 2005.

[34] Mila Dalla Preda and Roberto Giacobazzi. Semantic-based code obfuscation by abstract interpretation. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1325–1336. Springer-Verlag, Berlin-Heidelberg, 2005.

[35] Anupam Datta, Ante Derek, John C. Mitchell, Vitaly Shmatikov, and Mathieu Turuani. Probabilistic polynomial-time semantics for a protocol security logic. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 16–29. Springer-Verlag, Berlin-Heidelberg, 2005.

[36] Rocco De Nicola, Daniele Gorla, and Rosario Pugliese. Basic observables for a calculus for global computing. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata,*

Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005), volume 3580 of *LNCS*, pages 1226–1238. Springer-Verlag, Berlin-Heidelberg, 2005.

[37] Giorgio Delzanno and Maurizio Gabbrielli. Compositional verification of asynchronous processes via constraint solving. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1239–1250. Springer-Verlag, Berlin-Heidelberg, 2005.

[38] Giovanni Di Crescenzo and Aggelos Kiayias. Asynchronous perfectly secure communication over one-time pads. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 216–227. Springer-Verlag, Berlin-Heidelberg, 2005.

[39] Giovanni Di Crescenzo and Ivan Visconti. Concurrent zero knowledge in the public-key model. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 816–827. Springer-Verlag, Berlin-Heidelberg, 2005.

[40] Scott Diehl and Dieter van Melkebeek. Time-space lower bounds for the polynomial-time hierarchy on randomized machines. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 982–993. Springer-Verlag, Berlin-Heidelberg, 2005.

[41] Martin Dietzfelbinger and Christoph Weidling. Balanced allocation and dictionaries with tightly packed constant size bins. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti

Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 166–178. Springer-Verlag, Berlin-Heidelberg, 2005.

[42] Nedialko B. Dimitrov and C. Greg Plaxton. Optimal cover time for a graph-based coupon collector process. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 702–716. Springer-Verlag, Berlin-Heidelberg, 2005.

[43] Debora Donato, Stefano Leonardi, and Panayiotis Tsaparas. Stability and similarity of link analysis ranking algorithms. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 717–729. Springer-Verlag, Berlin-Heidelberg, 2005.

[44] Manfred Droste and Paul Gastin. Weighted automata and weighted logics. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 513–525. Springer-Verlag, Berlin-Heidelberg, 2005.

[45] Charilaos Efthymiou and Paul G. Spirakis. On the existence of hamiltonian cycles in random intersection graphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 690–701. Springer-Verlag, Berlin-Heidelberg, 2005.

[46] Friedrich Eisenbrand, Fabrizio Grandoni, Gianpaolo Oriolo, and Martin Skutella. New approaches for virtual private network design. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi,

and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1151–1162. Springer-Verlag, Berlin-Heidelberg, 2005.

[47] Khaled Elbassioni, Aleksei V. Fishkin, Nabil H. Mustafa, and René Sitters. Approximation algorithms for euclidean group tsp. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1115–1126. Springer-Verlag, Berlin-Heidelberg, 2005.

[48] Isaac Elias and Jens Lagergren. Fast neighbor joining. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1263–1274. Springer-Verlag, Berlin-Heidelberg, 2005.

[49] Matthias Englert and Matthias Westermann. Reordering buffer management for non-uniform cost models. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 627–638. Springer-Verlag, Berlin-Heidelberg, 2005.

[50] Leah Epstein and Meital Levy. Online interval coloring and variants. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 602–613. Springer-Verlag, Berlin-Heidelberg, 2005.

[51] Kousha Etessami and Mihalis Yannakakis. Recursive markov decision processes and recursive stochastic games. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15,*

2005), volume 3580 of *LNCS*, pages 891–903. Springer-Verlag, Berlin-Heidelberg, 2005.

[52] Martin Farach-Colton, Gad M. Landau, S. Cenk Sahinalp, and Dekel Tsur. Optimal spaced seeds for faster approximate string matching. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1251–1262. Springer-Verlag, Berlin-Heidelberg, 2005.

[53] Jiří Fiala, Petr A. Golovach, and Jan Kratochvíl. Distance constrained labelings of graphs of bounded treewidth. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 360–372. Springer-Verlag, Berlin-Heidelberg, 2005.

[54] Marc Fischlin. Completely non-malleable schemes. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 779–790. Springer-Verlag, Berlin-Heidelberg, 2005.

[55] Wan Fokkink and Sumit Nain. A finite basis for failure semantics. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 755–765. Springer-Verlag, Berlin-Heidelberg, 2005.

[56] Fedor V. Fomin, Fabrizio Grandoni, and Dieter Kratsch. Measure and conquer: Domination — a case study. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 191–203. Springer-Verlag, Berlin-Heidelberg, 2005.

[57] Jeff Ford and Anna Gál. Hadamard tensors and lower bounds on multiparty communication complexity. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1163–1175. Springer-Verlag, Berlin-Heidelberg, 2005.

[58] Gianni Franceschini and Roberto Grossi. Optimal in-place sorting of vectors and records. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 90–102. Springer-Verlag, Berlin-Heidelberg, 2005.

[59] Martin Gairing, Thomas Lücking, Burkhard Monien, and Karsten Tiemann. Nash equilibria, the price of anarchy and the fully mixed nash equilibrium conjecture. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 51–65. Springer-Verlag, Berlin-Heidelberg, 2005.

[60] Martin Gairing, Burkhard Monien, and Andreas Woclaw. A faster combinatorial approximation algorithm for scheduling unrelated parallel machines. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 828–839. Springer-Verlag, Berlin-Heidelberg, 2005.

[61] David Galindo. Boneh-franklin identity based encryption revisited. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 791–802. Springer-Verlag, Berlin-Heidelberg, 2005.

[62] Craig Gentry and Zulfikar Ramzan. Single-database private information retrieval with constant communication rate. In Luís Caires,

Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 803–815. Springer-Verlag, Berlin-Heidelberg, 2005.

[63] Martin Grohe, Christoph Koch, and Nicole Schweikardt. Tight lower bounds for query processing on streaming and external memory data. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1076–1088. Springer-Verlag, Berlin-Heidelberg, 2005.

[64] Qian-Ping Gu and Hisao Tamaki. Optimal branch-decomposition of planar graphs in $o(n^3)$ time. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 373–384. Springer-Verlag, Berlin-Heidelberg, 2005.

[65] Anupam Gupta and Martin Pál. Stochastic steiner trees without a root. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1051–1063. Springer-Verlag, Berlin-Heidelberg, 2005.

[66] Mitsuhiro Haneda, Mitsuru Kawazoe, and Tetsuya Takahashi. Suitable curves for genus-4 hcc over prime fields: Point counting formulae for hyperelliptic curves of type $y^2 = x^{2k+1} + ax$. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 539–550. Springer-Verlag, Berlin-Heidelberg, 2005.

[67] Gustav Hast. Approximating max $k$csp — outperforming a random assignment with almost a linear factor. In Luís Caires, Giuseppe F.

Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 956–968. Springer-Verlag, Berlin-Heidelberg, 2005.

[68] Nicholas Hopper. On steganographic chosen covertext security. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 311–323. Springer-Verlag, Berlin-Heidelberg, 2005.

[69] Omer Horvitz and Jonathan Katz. Bounds on the efficiency of "black-box" commitment schemes. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 128–139. Springer-Verlag, Berlin-Heidelberg, 2005.

[70] Juraj Hromkovič and Georg Schnitger. Nfas with and without ϵ-transitions. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 385–396. Springer-Verlag, Berlin-Heidelberg, 2005.

[71] Kamal Jain, MohammadTaghi Hajiaghayi, and Kunal Talwar. The generalized deadlock resolution problem. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 853–865. Springer-Verlag, Berlin-Heidelberg, 2005.

[72] Hema Jampala and Norbert Zeh. Cache-oblivious planar shortest paths. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming,*

ICALP'2005 (Lisbon, Portugal, July 11-15, 2005), volume 3580 of *LNCS*, pages 563–575. Springer-Verlag, Berlin-Heidelberg, 2005.

[73] Kanela Kaligosi, Kurt Mehlhorn, J. Ian Munro, and Peter Sanders. Towards optimal multiple selection. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 103–114. Springer-Verlag, Berlin-Heidelberg, 2005.

[74] Ming-Yang Kao, Manan Sanghi, and Robert Schweller. Randomized fast design of short dna words. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1275–1286. Springer-Verlag, Berlin-Heidelberg, 2005.

[75] George Karakostas. A better approximation ratio for the vertex cover problem. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1043–1050. Springer-Verlag, Berlin-Heidelberg, 2005.

[76] Telikepalli Kavitha. An $\tilde{o}(m^2n)$ randomized algorithm to compute a minimum cycle basis of a directed graph. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 273–284. Springer-Verlag, Berlin-Heidelberg, 2005.

[77] Neeraj Kayal. Solvability of a system of bivariate polynomial equations over a finite field. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 551–562. Springer-Verlag, Berlin-Heidelberg, 2005.

[78] David Kempe, Jon Kleinberg, and Éva Tardos. Influential nodes in a diffusion model for social networks. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1127–1138. Springer-Verlag, Berlin-Heidelberg, 2005.

[79] Eike Kiltz, Anton Mityagin, Saurabh Panjwani, and Barath Raghavan. Append-only signatures. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 434–445. Springer-Verlag, Berlin-Heidelberg, 2005.

[80] Teodor Knapik, Damian Niwiński, Paweł Urzyczyn, and Igor Walukiewicz. Unsafe grammars and panic automata. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1450–1461. Springer-Verlag, Berlin-Heidelberg, 2005.

[81] Pascal Koiran, Vincent Nesme, and Natacha Portier. A quantum lower bound for the query complexity of simon's problem. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1287–1298. Springer-Verlag, Berlin-Heidelberg, 2005.

[82] Jochen Könemann, Stefano Leonardi, Guido Schäfer, and Stefan van Zwam. From primal-dual to cost shares and back: A stronger *lp* relaxation for the steiner forest problem. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15,*

2005), volume 3580 of *LNCS*, pages 930–942. Springer-Verlag, Berlin-Heidelberg, 2005.

[83] Annamária Kovács. Polynomial time preemptive sum-multicoloring on paths. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 840–852. Springer-Verlag, Berlin-Heidelberg, 2005.

[84] Miroslaw Kowaluk and Andrzej Lingas. Lca queries in directed acyclic graphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 241–248. Springer-Verlag, Berlin-Heidelberg, 2005.

[85] Amit Kumar, Yogish Sabharwal, and Sandeep Sen. Linear time algorithms for clustering problems in any dimensions. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1374–1385. Springer-Verlag, Berlin-Heidelberg, 2005.

[86] Klaus Kursawe and Victor Shoup. Optimistic asynchronous atomic broadcast. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 204–215. Springer-Verlag, Berlin-Heidelberg, 2005.

[87] J. Laird. Decidability in syntactic control of interference. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 904–916. Springer-Verlag, Berlin-Heidelberg, 2005.

[88] Cheng Li, Zhe Dang, Oscar H. Ibarra, and Hsu-Chun Yen. Signaling p systems and verification problems. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1462–1473. Springer-Verlag, Berlin-Heidelberg, 2005.

[89] Leonid Libkin. Logics for unranked trees: An overview. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 35–50. Springer-Verlag, Berlin-Heidelberg, 2005.

[90] Henry Lin, Tim Roughgarden, Éva Tardos, and Asher Walkover. Braess's paradox, fibonacci numbers, and exponential inapproximability. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 497–512. Springer-Verlag, Berlin-Heidelberg, 2005.

[91] Helger Lipmaa, Guilin Wang, and Feng Bao. Designated verifier signature schemes: Attacks, new security notions and a new construction. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 459–471. Springer-Verlag, Berlin-Heidelberg, 2005.

[92] Frédéric Magniez and Ashwin Nayak. Quantum complexity of testing group commutativity. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1312–1324. Springer-Verlag, Berlin-Heidelberg, 2005.

[93] Ueli Maurer and Johan Sjödin. Single-key ail-macs from any fil-mac. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi,

and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 472–484. Springer-Verlag, Berlin-Heidelberg, 2005.

[94] M.W. Mislove. Discrete random variables over domains. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1006–1017. Springer-Verlag, Berlin-Heidelberg, 2005.

[95] Tal Moran and Moni Naor. Basing cryptographic protocols on tamper-evident seals. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 285–297. Springer-Verlag, Berlin-Heidelberg, 2005.

[96] MohammadReza Mousavi and Michel A. Reniers. Orthogonal extensions in structural operational semantics. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1214–1225. Springer-Verlag, Berlin-Heidelberg, 2005.

[97] A.S. Murawski, C.-H.L. Ong, and I. Walukiewicz. Idealized algol with ground recursion, and dpda equivalence. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 917–929. Springer-Verlag, Berlin-Heidelberg, 2005.

[98] Bengt J. Nilsson. Approximate guarding of monotone and rectilinear polygons. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming,*

ICALP'2005 (Lisbon, Portugal, July 11-15, 2005), volume 3580 of *LNCS*, pages 1362–1373. Springer-Verlag, Berlin-Heidelberg, 2005.

[99] Corina E. Pătraşcu and Mihai Pătraşcu. On dynamic bit-probe complexity. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 969–981. Springer-Verlag, Berlin-Heidelberg, 2005.

[100] Sriram V. Pemmaraju and Rajiv Raman. Approximation algorithms for the max-coloring problem. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1064–1075. Springer-Verlag, Berlin-Heidelberg, 2005.

[101] Giuseppe Persiano and Ivan Visconti. Single-prover concurrent zero knowledge in almost constant rounds. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 228–240. Springer-Verlag, Berlin-Heidelberg, 2005.

[102] Damien Pous. Up-to techniques for weak bisimulation. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 730–741. Springer-Verlag, Berlin-Heidelberg, 2005.

[103] Jaikumar Radhakrishnan, Martin Rötteler, and Pranab Sen. On the power of random bases in fourier sampling: Hidden subgroup problem in the heisenberg group. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume

3580 of *LNCS*, pages 1399–1411. Springer-Verlag, Berlin-Heidelberg, 2005.

[104] Bernhard Reus and Thomas Streicher. About hoare logics for higher-order store. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1337–1348. Springer-Verlag, Berlin-Heidelberg, 2005.

[105] Liam Roditty, Mikkel Thorup, and Uri Zwick. Deterministic constructions of approximate distance oracles and spanners. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 261–272. Springer-Verlag, Berlin-Heidelberg, 2005.

[106] Liam Roditty and Uri Zwick. Replacement paths and k simple shortest paths in unweighted directed graphs. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 249–260. Springer-Verlag, Berlin-Heidelberg, 2005.

[107] Robert Špalek and Mario Szegedy. All quantum adversary methods are equivalent. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1299–1311. Springer-Verlag, Berlin-Heidelberg, 2005.

[108] Roberto Tamassia and Nikos Triandopoulos. Computational bounds on hierarchical data processing with applications to information security. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 153–165. Springer-Verlag, Berlin-Heidelberg, 2005.

[109] Pascal Tesson and Denis Thérien. Restricted two-variable $fo + mod$ sentences, circuits and communication complexity. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 526–538. Springer-Verlag, Berlin-Heidelberg, 2005.

[110] Mårten Trolin and Douglas Wikström. Hierarchical group signatures. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 446–458. Springer-Verlag, Berlin-Heidelberg, 2005.

[111] Leslie G. Valiant. Holographic circuits. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg, 2005.

[112] Franck van Breugel, Claudio Hermida, Michael Makkai, and James Worrell. An accessible approach to behavioural pseudometrics. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1018–1030. Springer-Verlag, Berlin-Heidelberg, 2005.

[113] Hoeteck Wee. On round-efficient argument systems. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 140–152. Springer-Verlag, Berlin-Heidelberg, 2005.

[114] Ingo Wegener. Simulated annealing beats metropolis in combinatorial optimization. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the*

32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005), volume 3580 of *LNCS*, pages 589–601. Springer-Verlag, Berlin-Heidelberg, 2005.

[115] Stephanie Wehner and Ronald de Wolf. Improved lower bounds for locally decodable codes and private information retrieval. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1424–1436. Springer-Verlag, Berlin-Heidelberg, 2005.

[116] Douglas Wikström. On the l-ary gcd-algorithm in rings of integers. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 1189–1201. Springer-Verlag, Berlin-Heidelberg, 2005.

[117] Li Zhang. The efficiency and fairness of a fixed budget resource allocation game. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 485–496. Springer-Verlag, Berlin-Heidelberg, 2005.

[118] Marius Zimand. Simple extractors via constructions of cryptographic pseudo-random generators. In Luís Caires, Giuseppe F. Italiano, Luís Monteiro, Catuscia Palamidessi, and Moti Yung, editors, *Proceedings of the 32nd International Colloquium on Automata, Languages and Programming, ICALP'2005 (Lisbon, Portugal, July 11-15, 2005)*, volume 3580 of *LNCS*, pages 115–127. Springer-Verlag, Berlin-Heidelberg, 2005.