References

[1] Abhijin Adiga, L. Sunil Chandran, and Rogers Mathew. Cubicity, degeneracy, and crossing number. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 176–190. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[2] Susanne Albers. Energy-efficient algorithms. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 1–2. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[3] Prabhanjan Ananth, Meghana Nasre, and Kanthi K. Sarpatwar. Rainbow connectivity: Hardness and tractability. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 241–251. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[4] Mohamed Faouzi Atig and Pierre Ganty. Approximating petri net reachability along context-free traces. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 152–163. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[5] Alex Bain, John Mitchell, Rahul Sharma, Deian Stefan, and Joe Zimmerman. A domain-specific language for computing on encrypted data. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software*

Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011), volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 6–24. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[6] Pablo Barceló, Leonid Libkin, and Juan L. Reutter. Parameterized regular expressions and their languages. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 351–362. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[7] Oren Ben-Kiki, Philip Bille, Dany Breslauer, Leszek Gąsieniec, Roberto Grossi, and Oren Weimann. Optimal packed string matching. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 423–432. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[8] Siavosh Benabbas, Siu On Chan, Konstantinos Georgiou, and Avner Magen. Tight gaps for vertex cover in the sherali-adams sdp hierarchy. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 41–54. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[9] Nathalie Bertrand and Blaise Genest. Minimal disclosure in partially observable markov decision processes. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 411–422. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[10] Dietmar Berwanger, Łukasz Kaiser, and Bernd Puchala. A perfect-information construction for coordination in games. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 387–398. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[11] Patricia Bouyer, Romain Brenguier, Nicolas Markey, and Michael Ummels. Nash equilibria in concurrent games with büchi objectives. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 375–386. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[12] H.J. Sander Bruggink, Raphaël Cauderlier, Mathias Hülsbusch, and Barbara König. Conditional reactive systems. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 191–203. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[13] Yang Cai and Ting Zhang. A tight lower bound for streett complementation. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 339–350. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[14] Saverio Caminiti, Irene Finocchi, Emanuele G. Fusco, and Francesco Silvestri. Dynamic programming in faulty memory hierarchies (cache-obliviously). In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of*

Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011), volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 433–444. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[15] Didier Caucal and Teodor Knapik. Higher order indexed monadic systems. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 469–480. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[16] Céline Chevalier, Stéphanie Delaune, and Steve Kremer. Transforming password protocols to compose. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 204–216. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[17] Robert Crowston, Michael Fellows, Gregory Gutin, Mark Jones, Frances Rosamond, Stéphan Thomassé, and Anders Yeo. Simultaneously satisfying linear equations over f_2: Maxlin2 and max-r-lin2 parameterized above average. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 229–240. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[18] Marek Cygan, Fabrizio Grandoni, Stefano Leonardi, Marcin Mucha, Marcin Pilipczuk, and Piotr Sankowski. Approximation algorithms for union and intersection covering problems. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 28–40. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[19] Philippe Darondeau, Stéphane Demri, Roland Meyer, and Christophe Morvan. Petri net reachability graphs: Decidability status of fo properties. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 140–151. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[20] Jacques Duparc, Alessandro Facchini, and Filip Murlak. Definable operations on weakly recognizable sets of trees. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 363–374. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[21] Arnaud Durand, Johannes Ebbing, Juha Kontinen, and Heribert Vollmer. Dependence logic with a majority quantifier. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 252–263. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[22] Uli Fahrenberg, Axel Legay, and Claus Thrane. The quantitative linear-time-branching-time spectrum. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 103–114. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[23] John Fearnley, Markus Rabe, Sven Schewe, and Lijun Zhang. Efficient approximation of optimal control for continuous-time markov games. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, In-*

dia, December 12-14, 2011), volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 399–410. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[24] Bertram Felgenhauer, Harald Zankl, and Aart Middeldorp. Layer systems for proving confluence. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 288–299. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[25] Emmanuel Filiot, Olivier Gauwin, Pierre-Alain Reynier, and Frédéric Servais. Streamability of nested word transductions. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 312–324. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[26] Fedor V. Fomin, Geevarghese Philip, and Yngve Villanger. Minimum fill-in of sparse graphs: Kernelization and approximation. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 164–175. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[27] Hongfei Fu and Joost-Pieter Katoen. Deciding probabilistic simulation between probabilistic pushdown automata and finite-state systems. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 445–456. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[28] Christian Glaßer, Christian Reitwießner, and Maximilian Witek. Applications of discrepancy theory in multiobjective approximation. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 55–65. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[29] Stefan Göller and Markus Lohrey. The first-order theory of ground tree rewrite graphs. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 276–287. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[30] Bruno Grenet, Pascal Koiran, Natacha Portier, and Yann Strozecki. The limited power of powering: Polynomial identity testing and a depth-four lower bound for the permanent. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 127–139. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[31] Manoj Gupta, Yogish Sabharwal, and Sandeep Sen. The update complexity of selection and related problems. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 325–338. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[32] Matthew Hague. Parameterised pushdown systems with non-atomic writes. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai,*

India, December 12-14, 2011), volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 457–468. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[33] Pinar Heggernes, Pim van 't Hof, Daniel Lokshtanov, and Christophe Paul. Obtaining a bipartite graph by contracting few edges. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 217–228. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[34] Frédéric Herbreteau, Dileep Kini, B. Srivathsan, and Igor Walukiewicz. Using non-convex approximations for efficient analysis of timed automata. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 78–89. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[35] Emanuel Kieroński, Jakub Michaliszyn, and Jan Otop. Modal logics definable by universal three-variable formulas. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 264–275. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[36] Phokion G. Kolaitis. Schema mappings and data examples: Deriving syntax from semantics. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 25–25. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[37] Denis Kuperberg and Michael Vanden Boom. Quasi-weak cost automata: A new variant of weakness. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 66–77. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[38] Aleksander Mądry and Debmalya Panigrahi. The semi-stochastic ski-rental problem. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 300–311. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[39] B.V. Raghavendra Rao and Jayalal M.N. Sarma. Isomorphism testing of read-once functions and polynomials. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 115–126. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[40] Ocan Sankur, Patricia Bouyer, and Nicolas Markey. Shrinking timed automata. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 90–102. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[41] Madhu Sudan. Physical limits of communication. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 4–5. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[42] Moshe Y. Vardi. Constraints, graphs, algebra, logic, and complexity. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 3–3. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.

[43] Umesh V. Vazirani. Quantum state description complexity. In Supratik Chakraborty and Amit Kumar, editors, *Proceedings of the 31st IARCS International Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2011 (Mumbai, India, December 12-14, 2011)*, volume 13 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 26–27. Dagstuhl Publishing, Saarbrücken/Wadern, 2011.