

## References

- [1] Manindra Agrawal. The first-order isomorphism theorem. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 70–82. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [2] Manindra Agrawal. Hard sets and pseudo-random generators for constant depth circuits. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 58–69. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [3] Eric Allender. When worlds collide: Derandomization, lower bounds, and kolmogorov complexity. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [4] Richard Anderson, Sampath Kannan, Howard Karloff, and Richard E. Ladner. Thresholds and optimal binary comparison search trees. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 83–95. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [5] Sanjeev Arora. Approximation schemes for geometric  $np$ -hard problems: A survey. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages

- 16–17. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [6] Luboš Brim, Ivana Černá, Pavel Krčál, and Radek Pelánek. Distributed ltl model checking based on negative cycle detection. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 96–107. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [7] Cristiano Calcagno, Hongseok Yang, and Peter W. O’Hearn. Computability and complexity results for a spatial assertion language for data structures. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 108–119. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [8] Jianer Chen, Donald K. Friesen, Weijia Jia, and Iyad A. Kanj. Using nondeterminism to design deterministic algorithms. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 120–131. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [9] Zhe Dang, Oscar H. Ibarra, and Pierluigi San Pietro. Liveness verification of reversal-bounded multicounter machines with a free counter. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 132–143. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [10] Axel Dold and Vincent Vialard. A mechanically verified compiling specification for a lisp compiler. In Ramesh Hariharan and Madhavan

- Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 144–155. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [11] Dana Fisman and Amir Pnueli. Beyond regular model checking. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 156–170. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [12] Jürgen Forster, Matthias Krause, Satyanarayana V. Lokam, Rustam Mubarakzjanov, Niels Schmitt, and Hans Ulrich Simon. Relations between communication complexity, linear arrangements, and computational complexity. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 171–182. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [13] Neelima Gupta, Sumit Chopra, and Sandeep Sen. Optimal, output-sensitive algorithms for constructing upper envelope of line segments in parallel. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 183–194. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [14] Venkatesan Guruswami. List decoding from erasures: Bounds and code constructions. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages

195–206. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.

- [15] David Harel and Yehuda Koren. On clustering using random walks. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 18–41. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [16] Neeraj Jaggi and K. Gopinath. Verification of a leader election algorithm in timed asynchronous systems. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 207–218. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [17] Andreas Jakobý and Christian Schindelhauer. Efficient addition on field programmable gate arrays. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 219–231. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [18] Radha Krishnan and Balaji Raghavachari. The directed minimum-degree spanning tree problem. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 232–243. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [19] Tamás Lukovszki, Anil Maheshwari, and Norbert Zeh. I/o-efficient batched range counting and its applications to proximity problems. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technol-*

- ogy and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 244–255. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [20] P. Madhusudan and B. Meenakshi. Beyond message sequence graphs. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 256–267. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [21] Monaldo Mastrolilli. Grouping techniques for one machine scheduling subject to precedence constraints. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 268–279. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [22] Mogens Nielsen, Vladimiro Sassone, and Jiří Srba. Properties of distributed timed-arc petri nets. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 280–291. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [23] Doron Peled, Amir Pnueli, and Lenore Zuck. From falsification to verification. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 292–304. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [24] Erion Plaku and Igor E. Shparlinski. On polynomial representations of boolean functions related to some number theoretic prob-

- lems. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 305–316. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [25] Amir Pnueli, Yoav Rodeh, and Ofer Shtrichman. Range allocation for equivalence logic. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 317–333. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [26] Colin Stirling. An introduction to decidability of dpda equivalence. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 42–56. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [27] Ashish Tiwari. Rewrite closure for ground and cancellative ac theories. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 334–346. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.
- [28] Uri Zwick. Semidefinite programming based approximation algorithms. In Ramesh Hariharan and Madhavan Mukund, editors, *Proceedings of the 21st Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS'2001 (Bangalore, India, December 13-15, 2001)*, volume 2245 of *LNCS*, pages 57–57. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2001.