

Ad Hoc Networks

- Royer E. and Toh C., A review of current routing protocols for ad-hoc mobile wireless networks, IEEE Personal Communications, April 1999, pp. 46-55.
- Josh Broch , David A. Maltz , David B. Johnson , Yih-Chun Hu , Jorjeta Jetcheva, A performance comparison of multi-hop wireless ad hoc network routing protocols, Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking, p.85-97, October 1998, Dallas, Texas.
- Johnson D. and Maltz D., Dynamic Source Routing in Ad Hoc Wireless Networks, Mobile Computing, Academic Publishers, 1996.
- Charles Perkins, Ad-Hoc Networking, Addison-Wesley, 2001.

Clustering and Dominating Sets

- Sudipto Guha and Samir Khuller. Approximation algorithms for connected dominating sets. Algorithmica, 20(4):374--387, 1998.
- B. Das, E. Sivakumar, V. Bhargavan, Routing in ad Hoc Networks using a virtual backbone, manuscript, 1997.
- Wu J., Chapter 20: Dominating-Set-Based Routing in Ad Hoc Wireless Networks, in Ivan Stojmenovic: Handbook of Wireless Networks and Mobile Computing, John Wiley & Sons, Inc., New York, 2002.
- Kuhn F., Moscibroda T. and Wattenhofer R., What Cannot Be Computed Locally!, PODC, 2004.
- K. Alzoubi , P.-J. Wan , O. Frieder, New Distributed Algorithm for Connected Dominating Set in Wireless Ad Hoc Networks, Proceedings of the 35th Annual Hawaii International Conference on System Sciences (HICSS'02)-Volume 9, p.297, January 07-10, 2002.
- X. Cheng, X. Huang, D. Li, W. Wu, and D.-Z. Du, Polynomial-Time Approximation Scheme for Minimum Connected Dominating Set in Ad Hoc Wireless Networks, Networks, Vol. 42, No. 4, pp. 202-208, 2003.
- Devdatt Dubhashi , Alessandro Mei , Alessandro Panconesi , Jaikumar Radhakrishnan , Arvind Srinivasan, Fast distributed algorithms for (weakly) connected dominating sets and linear-size skeletons, Proceedings of the fourteenth annual ACM-SIAM Symposium on Discrete Algorithms, pages 717-724, January 12-14, 2003, Baltimore, Maryland.
- H. Huang, A.W. Richa, and M. Segal. Approximation Algorithms for the Mobile Piercing Set Problem with Applications to Clustering in Ad-Hoc Networks. ACM Baltzer Journal on Mobile Networks and Applications (MONET), pages 141-149, April 2004.
- L. Jia, R. Rajaraman, and R. Suel. An Efficient Distributed Algorithm for Constructing Small Dominating Sets. In Proc. of the 20th ACM Symposium on Principles of Distributed Computing (PODC), pages 33--42, 2001.
- Fabian Kuhn , Roger Wattenhofer, Constant-time distributed dominating set approximation, Proceedings of the twenty-second annual symposium on Principles of distributed computing, p.25-32, July 2003.

Broadcasting (Collision Model)

- M. Adler and C. Scheideler, Efficient communication strategies for ad hoc wireless networks. *Theory of Computing Systems*, 33:337-391, 2000.
- Noga Alon , Amotz Bar-Noy , Nathan Linial , David Peleg, A lower bound for radio broadcast, *Journal of Computer and System Sciences*, v.43 n.2, p.290-298, Oct. 1991
- Reuven Bar-Yehuda , Oded Goldreich , Alon Itai, On the time-complexity of broadcast in multi-hop radio networks: an exponential gap between determinism and randomization, *Journal of Computer and System Sciences*, v.45 n.1, p.104-126, Aug. 1992
- Chlamtac and O. Weinstein, The wave expansion approach to broadcasting in multihop radio networks, *IEEE Trans. on Communications* 39 (1991), 426-433.
- Bogdan S. Chlebus , Leszek Gaşieniec , Alan Gibbons , Andrzej Pelc , Wojciech Rytter, Deterministic broadcasting in unknown radio networks, *Proceedings of the eleventh annual ACM-SIAM symposium on Discrete algorithms*, p.861-870, January 2000.
- Bogdan S. Chlebus , Leszek Gasieniec , Anna Östlin , John Michael Robson, Deterministic Radio Broadcasting, *Proceedings of the 27th International Colloquium on Automata, Languages and Programming*, p.717-728, July 2000.
- M. Chrobak , L. Gasieniec , W. Rytter, Fast broadcasting and gossiping in radio networks, *Proceedings of the 41st Annual Symposium on Foundations of Computer Science*, p.575, November 2000.
- Andrea E. F. Clementi , Angelo Monti , Riccardo Silvestri, Selective families, superimposed codes, and broadcasting on unknown radio networks, *Proceedings of the twelfth annual ACM-SIAM Symposium on Discrete Algorithms*, p.709-718, January 2001.
- Czumaj and W. Rytter, Broadcasting Algorithms in Radio Networks with Unknown Topology, In *Proceedings of the 44th Annual IEEE Symposium on Foundations of Computer Science (FOCS'03)*, pages 492 - 501, October 2003.
- D. Kowalski and A. Pelc. Broadcasting in undirected ad hoc radio networks, in *Proc. 22-nd ACM Symposium on Principles of Distributed Computing (PODC)*, pp. 73-82, 2003.
- D. Kowalski and A. Pelc. Faster deterministic broadcasting in ad hoc radio networks, in *Proc. 20-th Annual Symposium on Theoretical Aspects of Computer Science*, pp. 109-120, 2003.
- Eyal Kushilevitz , Yishay Mansour, An $\Omega(D \log(n/D))$ Lower Bound for Broadcast in Radio Networks, *SIAM Journal on Computing*, v.27 n.3, p.702-712, June 1998.
- Brad Williams , Tracy Camp, Comparison of broadcasting techniques for mobile ad hoc networks, *Proceedings of the 3rd ACM international symposium on Mobile ad hoc networking & computing*, June 2002.

Geometric Routing

- Urrutia J, Chapter 18: Routing with Guaranteed Delivery in Geometric and Wireless Networks, in Ivan Stojmenovic: Handbook of Wireless Networks and Mobile Computing, 2002.
- D. W. Matula and R. R. Sokal, Properties of Gabriel graphs relevant to geographic variation research and the clustering of points in the plane, Geographical Analysis 12, p. 205-222, July 1980.
- Goodman J. and O'Rourke J., Handbook of Discrete and Computational Geometry, CRC Press LLC, 1997.
- E. Kranakis, H. Singh, and J. Urrutia. Compass Routing on Geometric Networks. In Proc. 11th Canadian Conference on Computational Geometry, August 1999.
- Kuhn F., Wattenhofer R. and Zollinger A., Asymptotically Optimal Geometric Mobile Ad-Hoc Routing, Dial-M '02, September 2002.
- Kuhn F., Wattenhofer R. and Zollinger A., Worst-Case Optimal and Average-Case Efficient Geometric Ad-Hoc Routing, 4th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MOBIHOC), June 2003.
- Kuhn F., Wattenhofer R., Zhang Y. and Zollinger A., Geometric Ad-Hoc Routing: Of Theory and Practice, Proceedings of the twenty-second annual symposium on Principles of distributed computing (PODC), p.63-72, 2003.
- Prosenjit Bose , Pat Morin, Online Routing in Triangulations, Proceedings of the 10th International Symposium on Algorithms and Computation, p.113-122, December 1999.
- Bose P., Morin P., Stojmenovic I. and Urrutia J., Routing with guaranteed delivery in ad hoc wireless networks, Wireless Networks, Kluwer, 2001.
- Li J., Jannotti J., De Couto D., Karger D. and Morris R., A scalable location service for geographic ad hoc routing, MobiCom, 2000.
- Mauve M., Widmer J. and Hartenstein H., A survey on position-based routing in mobile ad-hoc networks, IEEE Networks, November/December, 2001.