# Top 30 Papers in My Field

1. PTH EUGSTER, PA FELBER, R GUERRAOUI, AM KERMARREC, "The Many Faces of Publish/Subscribe", ACM Computing Surveys, 2003
2. G Banavar, T Chandra, B Mukherjee, J Nagarajarao, RE Strom, DC Sturman, "An Efficient Multicast Protocol for Content-Based Publish-Subscribe Systems", Proceedings of 19th IEEE International Conference on Distributed Computing Systems (ICDCS'99), 1999
3. Akyildiz, W. Su, Y. Sankarasubramaniam, E. Cayirci. “A survey on sensor networks” In IEEE Communication Magazine, 40(8): 102-114, 2002
4. P Levis, N Lee, M Welsh, and D Culler “TOSSIM: Accurate and Scalable Simulation of Entire TinyOS Applications” In Proceedings of the First ACM Conference on Embedded Networked Sensor Systems (SenSys 2003)
5. D Gay, P Levis, RV Behren, M Welsh, E Brewer, D Culler, “The nesC Language: A Holistic Approach to Network Embedded Systems”, Proceedings of the ACM SIGPLAN 2003 Conference on Programming Language Design and Implementation (2003)
6. S Hadim, N Mohamed, "Middleware: Middleware Challenges and Approaches for Wireless Sensor Networks", IEEE DISTRIBUTED SYSTEMS ONLINE Vol. 7, No. 3, March 2006
7. Y Yu, B Krishnamachari, VK Prasanna, "Issues in Designing Middleware for Wireless Sensor Networks", IEEE Network, 2004
8. P Levis, D Culler, "Maté: a tiny virtual machine for sensor networks", ACM SIGOPS Operating Systems Review, 2002
9. SR Madden, MJ Franklin, JM Hellerstein, W Hong, "TinyDB: an acquisitional query processing system for sensor networks", ACM Transactions on Database Systems (TODS), 2005
10. CL Fok, GC Roman, C Lu, "Mobile agent middleware for sensor networks: an application case study", Proceedings of the 4th international symposium on Information processing in sensor networks, 2005
11. P Costa, GP Picco, "Semi-Probabilistic Content-Based Publish-Subscribe", Proceedings of 25th IEEE International Conference on Distributed Computing Systems, 2005
12. J Heidemann, F Silva, Y Yu, D Estrin, P Haldar, "Diffusion filters as a flexible architecture for event notification in wireless sensor networks", USC/ISI Tech. Report, 2002
13. J Heidemann, F Silva, C Intanagonwiwat, R Govindan, D Estrin, D Ganesan, "Building efficient wireless sensor networks with low-level naming", Proceedings of the eighteenth ACM symposium on Operating systems principles, 2001
14. C Intanagonwiwat, R Govindan, D Estrin, John Heidemann, Fabio Silva, "Directed diffusion for wireless sensor networking", IEEE/ACM Transactions on Networking (TON), Volume 11, Issue 1, Feb 2003
15. JW Hui, D Culler, "The dynamic behavior of a data dissemination protocol for network programming at scale", Proceedings of the 2nd international conference on Embedded networked sensor systems, 2004
16. P Levis, N Patel, D Culler, and S Shenker, "Trickle: A Self-Regulating Algorithm for Code Propagation and Maintenance in Wireless Sensor Networks." In Proceedings of the First USENIX/ACM Symposium on Networked Systems Design and Implementation (NSDI 2004)
17. A Carzaniga, DS Rosenblum, AL Wolf, "Design and evaluation of a wide-area event notification service", Foundations of Intrusion Tolerant Systems, 2003
18. M Mansouri-Samani, M Sloman, "GEM: a generalized event monitoring language for distributed systems", Distributed Systems Engineering, 1997
19. E Yoneki, J Bacon, "Unified semantics for event correlation over time and space in hybrid network environments", Proc. CoopIS, 2005
20. F Bry, M Eckert, "A High-Level Query Language for Events", IEEE Services Computing Workshops, 2006
21. A Woo, T Tong, D Culler, "Taming the underlying challenges of reliable multihop routing in sensor networks", Proceedings of the 1st international conference on Embedded networked sensor systems, 2003
22. WB Heinzelman, AP Chandrakasan, H Balakrishnan, "An application-specific protocol architecture for wireless microsensor networks", IEEE Transactions on Wireless Communications, Volume 1, Issue 4, Oct. 2002
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24. H Luo, J Luo, SK Das, Y Liu, "Routing Correlated Data with Fusion Cost in Wireless Sensor Networks", IEEE Transactions on Mobile Computing, Volume 5, Issue 11, November 2006
25. YP Chen, ALJ Liu, "A hierarchical energy-efficient framework for data aggregation in wireless sensor networks", IEEE Transactions on Vehicular Technology, Volume 55, Issue 3, May 2006
26. N Shrivastava, C Buragohain, D Agrawal, S Suri, "Medians and beyond: new aggregation techniques for sensor networks", Proceedings of the 2nd international conference on Embedded networked sensor systems, 2004
27. Younis, M Krunz, S Ramasubramanian, "Node clustering in wireless sensor networks: recent developments and deployment challenges", IEEE Network, Volume 20, Issue 3, May-June 2006
28. T He, L Gu, L Luo, T Yan, JA Stankovic, SH Son, " An overview of data aggregation architecture for real-time tracking with sensor networks", Proceedings of 20th International Symposium on Parallel and Distributed Processing, 2006 (IPDPS 2006)
29. H Akcan, H Bronnimann, "A new deterministic data aggregation method for wireless sensor networks", Signal Processing, Volume 87, Issue 12, December 2007
30. J Gao, L Guibas, N Milosavljevic, J Hershberger, "Sparse data aggregation in sensor networks", Proceedings of the 6th international conference on Information processing in sensor networks, 2007