

**EE5132 Wireless and Sensor Networks / EE5024 IoT Sensor Networks****List of Reference Papers for Part II Wireless Sensor Networks**

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**Reading List**

Lecture	Topic	Papers
2.	Energy Models for Sensor Networks - Energy-efficient packet transmission - Energy and sleep management	[Heinzelman00] W. Heinzelman, A. Chandrakasan, and H. Balakrishnan. Energy-Efficient Communication Protocol for Wireless Microsensor Networks. In The 33rd Hawaiian International Conference on Systems Sciences (HICSS), Maui, HA, January 2000.  [Shih01] Eugene Shih, Seong-Hwan Cho, Nathan Ickes, Rex Min, Amit Sinha, Alice Wang, and Anantha Chandrakasan. "Physical Layer Driven Protocol and Algorithm Design for Energy-Efficient Wireless Sensor Networks", Proceedings of the Seventh Annual ACM Conference on Mobile Computing and Networking, Rome, Italy, July 2001.
3.	Routing Protocols for Sensor Networks - Low Energy Adaptive Clustering Hierarchy (LEACH)	[Heinzelman00] W. Heinzelman, A. Chandrakasan, and H. Balakrishnan. Energy-Efficient Communication Protocol for Wireless Microsensor Networks. In The 33rd Hawaiian International Conference on Systems Sciences (HICSS), Maui, HA, January 2000.  [Heinzelman02] An Application-Specific Protocol Architecture for Wireless Microsensor Networks by W. Heinzelman, A.P. Chandrakasan and H. Balakrishnan, IEEE Transactions on Wireless Communications, Vol. 1, No. 4, Oct 2002.
4.	Collaborative Signal Processing - Data fusion (- Decision fusion)	[Brooks03] R. Brooks, P Ramanathan and A.K. Sayeed, "Distributed Target Classification and Tracking in Sensor Networks", Proceedings of IEEE, vol. 91, no. 8, Aug 2003.
5.	Collaborative Signal & Information Processing (CSIP) and Tracking - Information-Driven Sensor Querying (IDSQ)	[Zhao03] F. Zhao, J. Liu, J. Liu, L. Guibas and J. Reich, "Collaborative Signal and Information Processing: An Information-Directed Approach", Proceedings of the IEEE, Vol. 91, no. 8, Aug 2003.  [Chu01] M. Chu, H. Haussecker, and F. Zhao, "Scalable Information-Driven Sensor Querying and Routing for ad hoc Heterogeneous Sensor Networks", Xerox Palo Alto Research Center Technical Report P2001-10113, May 2001.