

Low Power System Design HS 2019

Week	Date	Paper	Presenter A	Presenter B	Presenter C
1					
2	25.09.2019	12.Martin, P., Charbiwala, Z. and Srivastava, M. (2012): DoubleDip: Leveraging thermoelectric harvesting for low power monitoring of sporadic water use. In Proceedings of the 10th ACM Conference on Embedded Network Sensor Systems (SenSys '12). ACM, New York, NY, USA, 225-238.	Tim Fischer	Nicolas Weiming Baumann	Michael Ganz
3	02.10.2019	1.Kahn, J. M., Katz, R. H., & Pister, K. S. J. (1999). Next century challenges: mobile networking for ``Smart Dust``. In <i>MobiCom 99 Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking</i> (Vol. 2, pp. 271–278).	Francisco Dumont	Yasmine Bennani	
4	09.10.2019	2.Zhang, P., Sadler, C. M., Lyon, S. A., & Martonosi, M. (2004). Hardware Design Experiences in ZebraNet. In SenSys '04 Proceedings of the 2nd international conference on embedded networked sensor systems (pp. 227–238). ACM Press, New York.	Lukas Daschinger	Ankit Jotwani	
5	16.10.2019	4.Hill, J., Szewczyk, R., Woo, A., Hollar, S., Culler, D., & Pister, K. (2000). System architecture directions for networked sensors. ACM SIGOPS Operating Systems Review, 34(5), 93–104.	Marco Giordano		
6	23.10.2019	5.Benini, L., Bogliolo, a., & De Micheli, G. (2000). A survey of design techniques for system-level dynamic power management. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 8(3), 299–316.	Fabian Johannes Geiger		
7	30.10.2019	8.Ferrari, F., Zimmerling, M., Thiele, L., & Mottola, L. (2012). The low-power wireless bus. <i>Proceedings of the 11th International Conference on Information Processing in Sensor Networks - IPSN '12</i> .	Philipp Julian Fengler	Jonas Michael Brüttsch	Felix Pascal Rüssli
8	06.11.2019	9.Maroti, M., Kusy, B., Simon, G., & Ledeczi, Akos. (2004). The flooding time synchronization protocol. <i>Proc. 2nd international conference on Embedded networked sensor systems - SenSys '04</i> (p. 39).	Christian Leopoldseder		
9	13.11.2019	10.Shnayder, V., Hempstead, M., Chen, B., Allen, G. W., & Welsh, M. (2004). Simulating the power consumption of large-scale sensor network applications. In <i>Proceedings of the 2nd international conference on Embedded networked sensor systems - SenSys '04</i> (p. 188). New York, New York, USA: ACM Press.	Davide Menini	Sara Sangalli	Miguel Pérez
10	20.11.2019	11.S. Roundy, P. K. Wright , J. Rabaey: A study of low level vibrations as a power source for wireless sensor nodes. <i>Computer Communications</i> , Volume 26, Issue 11, 1 July 2003, Pages 1131–1144.	Fridtjof Gerdsonn Eikanger	Mohammed Khair Nahhas	
11	27.11.2019	7. Tijs van Dam and Koen Langendoen. 2003. An adaptive energy-efficient MAC protocol for wireless sensor networks. In Proceedings of the 1st international conference on Embedded networked sensor systems (SenSys '03). ACM, New York, NY, USA, 171-180.	Jiaxing Zhu		