EE222 References IV (4/14/17)

* CMOS Digital ICs (4th ed) by S. M. Kang, Y. Leblebici, C. Kim, McGraw Hill 2015
* Introduction to VLSI Systems, by Carver Mead and Lynn Conway, Addison-Wesley 1980 (Chapter 9- Physics of Computational Systems: voltage limit, thermal limit, quantum limit, etc.)
* Analog Circuit Design: Low-Power Low-Voltage, Integrated Filters and Smart Power by R. J. van de Plassche, et al., Kluwer Academic Publishers, 1995
* Analog VLSI and Neural Systems by Carver Mead, Addison-Wesley, 1989

Chapters 12, 15, 16 are neural circuits related

* Feynman Lectures on Computation edited by Tony Hey and Robin W. Allwn, Westview Press, 1996

(Energy and Shannon’s Theorem in Section 5.1.2 and others)

* Proceedings of the IEEE special issue on Low Power RF Systems, October 2000
* *A Survey of Low-Power Transceivers and Their Applications,* by J. Blankenstein, J. Klaue, and H. Karl, IEEE Circuits and Systems Magazine, 3rd Quarter 2015, vol. 15, no. 3, pp. 6-17
* *Nanoscale FinFET Based SRAM Cell Design: Analysis of Performance Metric, Process Variation, Underlapped FinFET and Temperature Effect* by B. Raj, A. Saxena and S. Dasgupta, IEEE Circuits and Systems Magazine, 3rd Quarter 2011, pp. 38-50
* *Thermal-Aware 3D Network-On-Chip Designs: Routing Algorithms and Thermal Managements* by K-C Chen, C-H Chao, and A-Y Wu, IEEE Circuits and Systems Magazine, 4th Quarter 2015, vol. 15, no. 4, pp. 45-69
* True Single Phase Clock (TSPC) Logic by Behzad Razavi, IEEE Solid-State Circuits Magazine, Fall 2016, vol. 8, no. 4, pp. 10-13
* IEEE Solid-State Circuits Magazine, Winter 2013, vol. 5, no. 1 (two articles- Quest for Low-Voltage Low-*Power* ICs by Toshiaki Masuhara (pp. 9-39) and *A Historical Review of Low-Power, Low-Voltage Digital MOS Circuits Development* by Tsugio Makimoto (pp. 40-49)
* Ultra Low Power Bioelectronics by Rahul apeshkar, Cambridge University Press, 2010 (3rd printing 2013) Sect 2- Low-Power Analog and Biomedical Circuits; Sect 3- Low-Power RF and Energy-Harvesting Circuits for Biomedical Systems; Sect. 4- Biomedical Electronic Systems; Sect. 5-Principles for Ultra-Lower Power Analog and Digital Circuits; Sect. 6- Bio-Inspired Systems