

ENEE 610 Fall 2012 10/16-11/16/12

Paper Choices

Name/Paper	Problems: S=solver C=checker	presentation Dates	Commentating dates
Asare, Nana T	S1=#3-2 S2=#5-4 C1=#5-1 C2=#6-3 RWN	Tu 11/20/12 c) Th 11/29/12 c)	Th 11/15/12 a) Th 12/06/12 c)
Vratislav Michal, "On the Low-power Design, Stability Improvement and Frequency Estimation of the CMOS Ring Oscillator," Proceedings of the 22 nd International Conference Radioelektronika 2012, www.radioelektronika.cz , 4 pages.			
Castro, Alexander V	S1=#4-1 S2=#6-1 C1=#3-2 C2=#2-3	Th 11/15/12 b) Th 11/29/12 b)	Th 11/15/12 d) Th 12/06/12 b)
Jose M. Dores, Edwin B. Alvarez, Miguel A. Martins, Jose M. de la Rosa and Jorge R. Fernandes, "A Comparative Study of Biasing Circuits for an Inductorless Wideband Low Noise Amplifier," Proceedings of the IEEE Conference on ???, IEEE 2011, 4 pages.			
Chou, Ta-Chun	S1=#2-2 S2=#5-2 C1=#1-1 C2=#4-4a,b,c	Tu 11/20/12 a) Th 12/06/12 a)	Tu 11/20/12 b) Tu 11/27/12b)RWN
Jayawan H. B. Wijekoon and Piotr Dudek, "Spiking and Bursting Firing Patterns of a Compact VLSI Cortical Neuron Circuit," Proceedings of the International Joint Conference on Neural Networks, Orlando, FL, August 12-17, 2007, 6 pages.			
Huang, Po-Chun	S1=#1-1 S2=10/04 lecture write-up C1=#2-1 C2=#5-2	Th 11/15/12 d) Th 12/06/12 b)	Th 11/15/12 b) Th 11/29/12 a)
Mohammad Al-Shyoukh, Hoi Lee and Raul Perz, "A Transient-Enhanced Low-Quiescent Current Low-Dropout Regulator With Buffer Impedance Attenuation," IEEE Journal of Solid-State Circuits, Vol 42, No. 8, August 2007, pp. 1732 - 1741. [replaced by the above 10/11/12] Daibashish Gangopadhyay, Sudip Shekhar, Jeffrey S. Walling and David J. Allstot, "A 1.6 mW 5.4 Ghz Transformer-Feedback gm-Boosted Current-Reuse LNA in 0.18um CMOS", Proceeding of the IEEE Conference on ???, IEEE 2010, pp. 1635 - 1638.			
Nietering, Eric Thomas	S1=#1-3 S2=#5-3 C1=#1-2 C2=#5-5	Tu 11/20/12 b) Tu 12/04/12 b)	Tu 11/20/12 a) Tu 12/04/12 a)
Simon Lineykin and Sam Ben-Yaakov, "Analysis of Thermoelectric Coolers by a Spice-Compatible Equivalent-Circuit Model," IEEE Power Electronics Letters, Vol. 3, No. 2, June 2005, pp. 63 - 66. [changed to above 11/15/12] Dachuan Yu and S. Yuvarajan, "A Novel Circuit Model for PEM Fuel Cells," Proceedings of the ..., IEEE 2004, pp. 362 - 366.			
Runchey, Matthew	S1=#4-2,3 S2=#4-4d RWN C1=#2-4 C2=10/04 lecture write-up RWN	Tu 11/13/12 d) Tu 12/04/12 c)	Tu 11/20/12 d) Th 11/29/12 b)
Paolo Livi and Giacomo Indiveri, "A current-mode conductance-based silicon neuron for Address-Event neuromorphic systems," Proceedings of the IEEE Conference on ???, IEEE 2009, pp. 2898 - 2901.			
Schoenwald, Adam	S1=#1-2 S2=#3-1 C1=#2-2 C2=#4-2,3	Tu 11/13/12 c) Tu 11/27/12 c)	Th 11/15/12 c) Tu 12/04/12 b)
Pedram Mohseni, Khalil Najafi, "A Fully Integrated Neural Recording Amplifier With DC Input Stabilization", IEEE Transactions on Biomedical Engineering, VOL. 51, NO. 5, MAY 2004, pp. 832-837. [changed to above, 09/26/12]			
P. S. Theron, P. H. Swanepoel, J. J. Schoeman, J. D. van Wyk, and J. A. Ferreira, "Soft Switching Self-Oscillating IGBT-Based DC-DC Converters," Proceedings of the IEEE Conference on ???, IEEE pp. 929 - 935.			
Seekhao, Nuttiiya	S1=#3-3 S2=#5-1 C1=#4-1 C2=#5-4	Tu 11/20/12 d) Th 12/06/12 c)	Tu 11/20/12 c) Th 11/29/12 c)

Chunyan Wang, M. Omair Ahmad, and M. N. S. Swamy, "A CMOS Current-Controlled Oscillator and Its Applications," Proceedings of the IEEE Conference on ???, IEEE 2003, pp. I-793 - I-796.			
Senevirathna, Bathiya Pras	S1=#2-1 S2=#6-3 C1=#2-3 C2=#5-3	Th 11/15/12 c) Th 11/29/12 a)	Tu 11/13/12 c) Th 12/06/12 a)
Mohammad Yavari and Omid Shoaeei, "A Novel Fully-Differential Class AB Folded-Cascode OTA for Switched-Capacitor Applications," ????, 4 pages.			
Virts, Matthew Eric	S1=#2-4 S2=#4-4a,b,c C1=#1-3 C2=#4-4d	Tu 11/13/12b)RWN Tu 11/27/12b)RWN	Tu 11/13/12d)RWN Tu 11/27/12b)RWN
Woorapong Tangsrirat, Tattaya Pukkalanun, and Wanlop Surakampontorn, "Resistorless realization of current-mode first-order allpass filter using current differencing transconductance amplifiers," Microelectronics Journal, Vol. 41, No. ?, 2010, pp. 178 - 183.			
Zhou, Shuai	S1=#2-3 S2=#5-5 C1=#3-1 C2=#6-1	Th 11/15/12 a) Tu 12/04/12 a)	Tu 11/13/12b)RWN Tu 12/04/12c)RWN
Shahrzad jalali Mazlouman, Alireza Mahanfar, and Shahriar Minabbasi, "A Low-Power CMOS Modulator for Ultra-Wideband Transmitters," Proceedings of the IEEE Conference on ???, IEEE 2007, pp. 381 - 384.			

Number of students = 11