

ENEE 303H Fall 2009 11/10/09

Paper Choices

Name/Paper	Email address	presentation Dates	Commentating dates
Avakov, Alexei		Th 10/22/09 c) Th 11/19/09 a)	Th 10/29/09 a) Tu 12/01/09 a)
H. T. Mouftah and I. B. Jordan, "Design of Ternary COS/MOS Memory and Sequential Circuits," IEEE Transactions on Computers, Vol. ?, No. ?, March 1977, pp. 281 - 288.			
Azebu, Eric Taylor		Tu 10/27/09 e) Tu 11/24/09 c)	Th 10/22/09 f) Th 11/12/09 c)
C.-K Pham and M. Tanaka, "Bifurcational Communication with Novel Chaotic Transistors circuits," [ref. ??? ieee explore] 1996			
Berkovich, Andrew S		Tu 11/03/09 a) Th 12/03/09 b)	Tu 11/10/09 b) Th 12/01/09 c)
S. J. Prasad, "A New High-Efficiency Voltage Regulator," IEEE transactions on Industrial Electronics and Control Instrumentation, Vol. IECI-25, No. 1, February 1978, pp. 62 - 64.			
Bishop, Andrew S		Tu 10/27/09 d) Tu 12/08/09 b)	Th 10/29/09 b) Th 11/19/09 b)
J. Yuan, H. Y. Chan, S. W. Fung and B. Liu, "Digital calibration technique for highly linear wide dynamic range CMOS imaging sensor," Electronics Letters, Vol. 45, No. 9, April 23, 2009, pp. ???			
Bohannon, Nicole Leigh		Tu 11/03/09 c) Tu 12/01/09 c)	Th 10/22/09 a) Th 12/03/09 b)
J.-F. Lin, Y.-T. Hwang, M.-H Sheu and C.-C. Ho, "A Novel High-Speed and Energy Efficient 10-Transistor Full Adder Design," IEEE Transactions on Circuits and Systems - I, Vol. 54, No. 5, May 2007, pp. 1050 - 1059. Replaces on 09/17/09: K. Koli and K. Halonen, "Low voltage MOS-transistor-only precision current peak detector with signal independent discharge time constant," Proceedings of the 1997 IEEE International Symposium on Circuits and Systems, Hong Kong, June 9-12, 1997, pp. 1992 - 1995.			
Dehart, Franklin E		Tu 10/27/09 c) Tu 11/17/09 b)	Tu 10/27/09 f) Tu 11/17/09 a)
D. Marche, Y. Savaria and Y. Gagnon, "An Improved Switch Compensation Technique for Inverted R-2R Ladder DACs," IEEE Transactions on Circuits and Systems - I, Vol. 56, No. 6, June 2009, pp. 1115 - 1124.			
Dupree, Andrew J		Tu 11/10/09 d) Th 11/12/09 b)	Th 10/22/09 d) Tu 11/24/09 a)
M. Kunmngern, J. Chanwutitum and K. Dejhan, "Simple CMOS Current-Mode Exponential Function Generator Circuit," Proceedings of ECTI-Con 2008, [ref.???)			
Englehart, Charles John		Tu 10/27/09 f) Tu 11/17/09 c)	Tu 10/27/09 b) Tu 11/17/09 b)
T. C. Banwell, "Performance Limitations of Low-Voltage Regulators Using Only n-p-n Transistors," IEEE Journal of Solid-State Circuits, Vol. 26, No. 1, January 1991, pp. 77 - 80.			
Enns, Peter N		Th 10/29/09 f) Th 11/12/09 c)	Th 10/22/09 e) Tu 11/24/09 c)
A. M. Sodagar, G. E. Perlin, Y. Yao, K. Najafi and K. D. Wise, "An Implantable 64-Channel Wireless Microsystem for Single-Unit Neural Recording," IEEE Journal of Solid-State Circuits, Vol. 44, No. 9, September 2009, pp. 2591 - 2604.			

Fine, Noam Joseph		Tu 11/03/09 e) Tu 12/08/09 a)	Tu 11/03/09 a) Th 11/12/09 a)
Y. B. guo and K. W. Current, "Voltage Comparator Circuits for Multiple-Valued CMOS Logic," Proceedings of the IEEE International Symposium on Multiple-Valued Logic (ISMVL'02), 2002, 6 pages. Changed from 11/02/09:H.-W. Park, S.-J. Park, J.-G. Park and C.-U Kim, "A Novel High-Performance Voltage Regulator for Single-Phase AC Sources," IEEE Transactions on Industrial Electronics, Vol. 48, No. 3, June 2001, pp. 354 - 562.			
Freyman, Laura E		Th 10/29/09 b) Tu 11/24/09 b)	Th 10/22/09 b) Th 12/03/09 c)
K. Nay and A. Budak, "A Voltage-Controlled Resistance with Wide Dynamic Range and Low Distortion," IEEE Transactions on Circuits and Systmes, Vol. CAS-30, No. 190, October 1983, pp. 770 - 772. Changed from on 10/20/09:D. L. Lee and P. O. Lauritzen, "A Common-Base Transistor Differential Amplifier," IEEE Transactions on ?????, Vol. ??, No. ??, ..., p. 33.			
Gefen, Yonatan		Tu 11/03/09 f) Th 11/19/09 c)	Tu 10/27/09 a) Tu 12/01/09 d)
W. Tang and E. Culurciello, "A Pulse-based Amplifier and Data Converter for Bio-potentials," [ref. ieee explore ???] IEEE, 2009, pp. 337 - 340.			
Hogie, Glenn Ziobron		Th 10/22/09 f) Th 12/03/09 d)	Th 10/29/09 f) Tu 12/08/09 b)
F. Meyer, "Wide-Band Pulse Amplifier," IEEE Journal of Solid-State Circuits, Vol. SC-13, No. 3, June 1978, pp. 409 - 411.			
Klein, Brad Philip		Tu 11/10/09 a) Th 11/12/09 a)	Tu 11/10/09 d) Tu 11/17/09 d)
D. A. Hodges, "Darlington's Contributions to Transistor Circuit Design," IEEE Transactions on Circuits and Systems - I, Vol 46, No. 1, January 199, pp. 102 - 104.			
Kolodner, William Benjamin		Th 10/29/09 d) Tu 11/17/09 d)	Th 10/29/09 e) Th 11/12/09 d) → Tu 12/01/09 b)
L. Kronenberg, W. Mathis and L. Trajkovic, "Limitations of Criteria for Testing Transistor Circuits for Multiple DC Operating Points," Proceedings of the 43 rd Midwest Symposium on Circuits and Systems, Lansing, MI, August 8-11, 2000, pp. 1156 - 1159.			
Dropped 11/03/09 Lang, Adi A		Tu 11/03/09 b) Tu 12/01/09 b)	Th 10/29/09 c) Tu 12/08/09 d)
I. M. Filanovsky and H. Baltas, "CMOS Schmitt Trigger Design," IEEE Transactions on Circuits and Systems - I, Vol. 41, No. 1, January 1994, pp. 46 - 49.			
Mackey, Kathryn Elizabeth		Th 10/22/09 b) Th 11/19/09 d)	Tu 11/03/09 e) Tu 11/24/09 b)
Received 10/13/09: H. A. Alzahr and M. Ismail, "Robust low-distortion wideband CMOS current-follower," Electronics Letters, Vol. 35, No. 25, December 9, 1999, pp. 2203 - 2204.			
Marcotte, Kathryn Mary		Th 10/22/09 a) Th 12/03/09 c)	Tu 10/27/09 d) Th 11/19/09 d)
E. Kunz and S. Parke, "2.4GHz High Gain Low Power Narrowband Low-Noise Amplifier (LNA) in 0.18um TSMC CMOS," [ref.??? ieee explore].			
McCready, Keith Michael		Th 10/22/09 e) Th 11/12/09 d) → Tu 12/01/09 b)	Tu 10/27/09 e) Th 12/03/09 d)
W. Li, "A Transistor-Only Low-Pass Filter with Adjustable Bias and Small Phase Shift at High Frequencies," IEEE Journal of Solid-State Circuits, Vol. 26, No. 5, May 1993, pp. 610 - 612.			
Nessaiver, Avisha		Th 10/27/09 a) Tu 11/24/09 a)	Th 10/29/09 d) Th 11/12/09 b)
D. Xie, M. Parameswaran and I. Filanovsky, "A Simple CMOS Power Stabilizer for Integrated Sensor Applications," Proceedings of the IEEE CCECE/CCGEI, 1993, pp. 1178 - 1179			

Ovadia, Ram		Th 10/29/09 a) Tu 12/01/09 a)	Th 10/22/09 c) Th 11/19/09 a)
C. Sawigun and W. A. Serdijn, "Ultra-low-power, class-AB, CMOS four-quadrant current multiplier," Electronics Letters, Vol. 45, No. 10, May 7, 2009, pp. ???.			
Perkins, Christopher Lesli		Tu 11/10/09 b) Th 12/03/09 a)	Tu 11/10/09 a) Th 11/19/09 c)
F. Toto and R. Saletti, "CMOS dynamic ternary circuit with full logic swing and zero-static power consumption," Electronics Letters, Vol. 34, No. 11, May 28, 1998, pp. 1083 - 1084.			
Pressman, David Avrum		Th 10/22/09 d) Tu 12/01/09 d)	Tu 11/03/09 f) Th 12/08/09 a)
R. Anderson, "A 'Reflex'-type AM Radio - Speaker Volume with only 2 transistors!" http://www.tricounty.net/~randerse/reflex.htm and S. Rumley, "Superregenerative Receivers for Remote Keyless Access Applications," [ref. ???] Changed from, 09/29/09.			
E. R. Lewis, "The Locus Concept and its Application to Neural Analogs," IEEE Transactions on Bio-medical Electronics, Vol., No., October 1963, pp. 130 - 137.			
Prior, Nicholas Kenneth		Th 10/29/09 c) Tu 12/08/09 d)	Tu 11/03/09 b) Tu 12/01/09 b)
T. Y. Lo, C.-C. Hung and M. Ismail, "A Wide Tuning Range Gm-C Filter for Multi-Mode CMOS Direct-Conversion Wireless Receivers," IEEE Journal of Solid-State Circuits, Vol. 44, No. 9, September 2009, pp. 2515 - 2524.			
Senerchia, Joseph August		Tu 11/03/09 d) Tu 11/24/09 d)	Tu 11/10/09 c) Tu12/08/09 c)
C. Afuso and S. Ishakawa, "A Temperature-Insensitive Voltage-Controlled Variable Inductor," IEEE Journal of Solid-State Circuits, Vol. 10, No. 6, December 1975, pp. 540 - 542.			
Vohra, Pragun		Th 10/29/09 e) Th 11/19/09 b)	Tu 11/03/09 c) Th 12/03/09 a)
M. Steyaert and W. Sansen, "Novel CMOS Schmitt Trigger," Electronics Letters, Vol. 22, No. 4, February 13, 1986, pp. 203 - 204.			
Wyrwas, Joseph Michael		Tu 10/27/09 b) Tu 11/17/09 a)	Tu 10/27/09 c) Tu 11/17/09 c)
S. Mandal, S. M. Zhak and R. Sarpeshkar, "A Bio-Inspired Active Radio-Frequency Silicon Cochlea," IEEE Journal of Solid-State Circuits, Vol. 44, No. 6, June 2009, pp. 1814 - 1828.			
Zhou, Yuchen		Tu 11/10/09 c) Tu 12/08/09 d)	Tu 11/03/09 d) Tu 11/24/09 d)
M. M. Reja, I. M. Filanovsky and K. Moez, "Wide tunable CMOS active inductor," Electronics Letters, Vol. 44, No. 25, December 4, 2008, pp. 1461 - 1563.			

Number of students = 28