

ENEE 303H Fall 2014 11/11/14  
Paper Choices

Name/Paper	Cell Phone Topic	presentation Dates	Commentating dates
Handy, Brian James	Battery & Power Control GPS Sensor	Th 11/20/14 a)RWN Tu 12/02/14 b)	Th 11/20/14 b) Tu 12/02/14 c)
Derek K. Shaeffer and Thomas H. Lee, "A 1.5-V, 1.5-GHz CMOS Low Noise Amplifier," IEEE Journal of Solid-State Circuits, Vol. 32, No.. 5, May 1997, pp. 745 - 759.			
Khawar, Saad	LCD & LCD Drivers	Tu 11/25/14 a) Tu 12/02/14 a)	Tu 11/25/14 c) Th 12/04/14 c)
Seokhyeon Jeong, Zhiyoong Foo, Yoonmyung Lee, Jae-Yoon Sim, David Blaau and Dennis Sylvester, " A Fully-Integrated 71 nW CMOS Temperature Sensor for Low Power Wireless Sensor Nodes," IEEE Journal of Solid-State Circuits, Vol. 49, No. 8, August 2014, pp. 1682 - 1693.			
Krotkov, Timothy Nickolay	Camera	Tu 11/25/14 b) Th 12/04/14 b)	Th 11/20/14 c) Th 12/04/14 a)
Ina Toteva and Anna Andonova, "Modelling NMOS Snapback Characteristic Using PSpice," Proceedings of the 35 <sup>th</sup> International Spring Seminar on Electronics Technology, IEEE 2012, pp. 335 - 338.			
McQuay, Patrick Christophe	Receiver Transmitter	Tu 11/25/14 c) Th 12/04/14 c)	Tu 11/25/14 b) Th 12/04/14 b)
Radhika Marathe, Bichoy Bahr, Wentao Wang, Zohib Mahmood, Luca Daniel and Dana Weinstein, "Resonant Body Transistors in IBM's 32 nm SOI CMOS Technology," Journal of Microelectromechanical Systems, Vol. 23, No. 3, June, 2014, pp. 636 - 650.			
Morin, Andrew Donald	Microphone Speaker	Th 11/20/14 b) Th 12/04/14 a)	Tu 11/25/14 a) Tu 12/02/14 a)
Ming-Dou Ker, Jung-Sheng Chen and Ching-Yun Chu, "New Curvature-Compensation Technique for CMOS Bandgap Reference with Sub-1-V Operation," Proceedings of the IEEE ISCAS, 2005, pp. 3861 - 3864. pp			
Mukherjee, Shoutik	DSP Circuits	Th 11/20/14 c) Tu 12/02/14 c)	Th 11/20/14 a) Tu 12/02/14 b)
Hironori Banba, Hitoshi Shiga, Akira Umezawa, Takeshi Miyaba, Torn Tanzawa, Shigeru Atsumi and Koji Sakui, "A CMOS Bandgap Reference Circuit with Sub-1-V Operation," IEEE Journal of Solid-State Circuits, Vol. 34, No. 5, May 1999, pp. 670 - 674.			

Number of students = 6