

ENEE 698e Seminar - Microelectronics; Tu 5:00 – 6:00 Room AVW 2328

<p style="text-align: center;">Tu 09/06/05</p> <p style="text-align: center;">Organize</p> <p>Title: The encoder ROM of a parallel ADC Speaker: Keir Christian Lauritzen (1st talk) Commentator: --</p>	<p style="text-align: center;">Tu 09/13/05</p> <p style="text-align: center;">Assemble papers for talks</p> <p>1st Title: Carbon nanotube FET 1st Speaker: Konrad Aschenbach 1st Commentator: Jookyung Lee 2nd Title: Magnetoelectronics 2nd Speaker: Jookyung Lee 2nd Commentator: Konrad Aschenbach</p>
<p style="text-align: center;">Tu 09/20/05</p> <p>1st Title: Adaptive circuits using PFET floating gate devices 1st Speaker: Nicole Nelson 1st Commentator: Mohamed Fahmi (1st) 2nd Title: The current conveyor 2nd Speaker: Mohamed Fahmi (1st talk) 2nd Commentator: Nicole Nelson 3rd Title: Low density parity check code/decoder 3rd Speaker: Nasim Vakili (1st talk) 3rd Commentator: Kamal Hussain Baloch</p>	<p style="text-align: center;">Tu 09/27/05</p> <p>1st Title: Flipped voltage follower for current conveyors 1st Speaker: Mohamed Fahmi (2nd talk) 1st Commentator: Michael Holloway 2nd Title: High Speed CMOS Technique 2nd Speaker: Wang K. Bae (1st talk) 2nd Commentator: Patrick McAvoy</p>
<p style="text-align: center;">Tu 10/04/05</p> <p>1st Title: Optical gain in Silicon nanocrystals 1st Speaker: Michael Holloway 1st Commentator: Mohamed Fahmi (2nd) 2nd Title: Probabilistic computing in hardware(I) 2nd Speaker: Peng Xu (1st talk) 2nd Commentator: Keir Lauritzen (1st) 3rd Title: Spin Hall Effect 3rd Speaker: Kamal Hussain Baloch 3rd Commentator: Nasim Vakili (1st)</p>	<p style="text-align: center;">Tu 10/11/05</p> <p>1st Title: CW Laser at room temperature 1st Speaker: Athanasios Chryssis 1st Commentator: Nasim Vakili (2nd) 2nd Title: Self powered signal processing 2nd Speaker: Sung Hyun Chun 2nd Commentator: Wang K. Bae (1st) 3rd Title: Architecture and Implementation LDPC Decoding Algorithm 3rd Speaker: Nasim Vakili (2nd talk) 3rd Commentator: Athanasios Chryssis</p>
<p style="text-align: center;">Tu 10/18/05</p> <p>1st Title: Low power circuit hard disk drives 1st Speaker: Patrick McAvoy 1st Commentator: Felice M. Vanin (1st) 2nd Title: Probabilistic computing in hardware(II) 2nd Speaker: Peng Xu (2nd talk) 2nd Commentator: Felice M. Vanin (2nd) 3rd Title: Semiconductor Laser Diode 3rd Speaker: Mohammad Safar (1st talk) 3rd Commentator: Yu-Ju Hung</p>	<p style="text-align: center;">Tu 10/25/05</p> <p>1st Title: Feature Extraction via Cepstrum 1st Speaker: Coral Gonzalez Concejero (visitor from UPM, Spain) 1st Commentator: Babak Nouri (1st) 2nd Title: MEMs Based Ambient Vibrational Energy Scavenging 2nd Speaker: Babak Nouri (1st talk) 2nd Commentator: Hongxia Wang 3rd Title: Silicon Carbon Devices 3rd Speaker: Siddharth Potbhare 3rd Commentator: Saeed Esmaili</p>
<p style="text-align: center;">Tu 11/01/05</p> <p>1st Title: Twisted Bit-Line DRAMs 1st Speaker: Sean Leventhal</p>	<p style="text-align: center;">Tu 11/08/05</p> <p>1st Title: Ultra Wideband CMOS LNA 1st Speaker: Wang K. Bae (2nd talk)</p>

<p>1st Commentator: Peng Xu (1st) 2nd Title: Narrow Band Cavity Filter 2nd Speaker: Yunchi Zhang 2nd Commentator: Baharak Mohajer</p>	<p>1st Commentator: Sung Hyun Chun 2nd Title: Flash memory: towards single-electronics 2nd Speaker: Saeed Esmaili 2nd Commentator: Siddharth Potbhare 3rd Title: Bandpass Filter using Stepped Impedance resonators (I) 3rd Speaker: Felice M. Vanin (1st talk) 3rd Commentator: Sean Leventhal</p>
<p style="text-align: center;">Tu 11/15/05</p> <p>1st Title: CMOS Energy Efficient Processor 1st Speaker: Chung-Ching Shen 1st Commentator: Sebastian Puthenpurayil 2nd Title: Encoding for flash ADC 2nd Speaker: Keir Lauritzen (2nd talk) 2nd Commentator: Mohammad Safar (1st) 3rd Title: Bandpass Filter using Stepped Impedance resonators (II) 3rd Speaker: Felice M. Vanin (2nd talk) 3rd Commentator: Dan Meyer</p>	<p style="text-align: center;">Tu 11/22/05</p> <p>1st Title: Accelerator Beam Measurement 1st Speaker: Diktys Stratakis 1st Commentator: Charles Thangaraj 2nd Title: Low Power Chaotic Oscillator 2nd Speaker: Charles Thangaraj 2nd Commentator: Diktys Stratakis 3rd Title: VLSI Optoelectronics 3rd Speaker: Myat Hla 3rd Commentator: Mohammad safar</p>
<p style="text-align: center;">Tu 11/29/05</p> <p>1st Title: Band Gap References 1st Speaker: Dan Meyer 1st Commentator: Keir Lauritzen (2nd) 2nd Title: Electromagnetic Interference Reduction from PCB Using Bandgap Structures 2nd Speaker: Baharak Mohajer 2nd Commentator: Yunchi Zhang 3rd Title: Clock Skew Routing 3rd Speaker: Abhishek Kashyap 3rd Commentator: Bo Yang</p>	<p style="text-align: center;">Tu 12/06/05</p> <p>1st Title: Direct Synthesis for Voltage Mode Transfer Functions using Current Conveyor 1st Speaker: Sebastian Puthenpurayil 1st Commentator: Chung-Ching Shen 2nd Title: Low Noise Amp 2nd Speaker: Bo Yang 2nd Commentator: Abhishek Kashyap 3rd Title: Embedded Reliable Processing System 3rd Speaker: Hongxia Wang 3rd Commentator: Babak Nouri (2nd)</p>
<p style="text-align: center;">Tu 12/13/05 Last class</p> <p>1st Title: Optimization trends for vibration-driven MEMs-based energy harvestation 1st Speaker: Babak Nouri (2nd talk) 1st Commentator: Peng Xu (2nd) 2nd Title: Optical transistor 2nd Speaker: Yu-Ju Hung 2nd Commentator: Wang Bae 3rd Title: Tunable Laser Diode 3rd Speaker: Mohammad Safar (2nd talk) 3rd Commentator: Myat Hla</p>	