

Tuesday	Tuesday
09/04/01 Organize; Set dates for student presentations Topic: CMOS image readout circuits Presenter: Heba El-Erian; Commentator: Zhiping Shi	09/11/01 Finalize dates, topics, for student presentations Topic 1: Analog State Transmission Presenter: Zhiping Shi Commentator: Heba El-Erian Topic 2. Nanotechnology future Presenter: C. Kommareddy Commentator: S. Shahparnia
09/18/01 Topic 1: Low Power Signal Coding Presenter: Juventino Rosas Commentator: Song Mao Topic 2: Metal-Semiconductor-Metal Photodetector Presenter: Jinjin Li Commentator: Yingyu Miao	09/24/01 Class cancelled - tornado
10/02/01 Final paper choice Topic 1: CMOS Sigma-Delta Modulator for IF Presenter: C. Kommareddy Commentator: S. Hua Topic 2: Low-Power CMOS Digital Design Presenter: S. Hua Commentator: C. Kommareddy Topic 3: CAD Tools for RFIC Simulation Presenter: Yingyu Miao Commentator: Jinjin Li Topic 4: Switched C IIR/FIR Realizations Presenter: Song Mao Commentator: Juventino Rosaz	10/09/01 RWN to NIH, seminar handled by Ms. Yu Jiang Topic 1: LowPower PLLs is Deep Submicron CMOS Presenter: Ji Luo Commentator: Yupeng Cui Topic 2: Low-Noise Instrumentation Amplifier Presenter: Yupeng Cui Commentator: Ji Luo
10/16/01 Topic 1: Neuron MOS Binary Logic Presenter: Aydin Balkan Commentator: Eric Tan Topic 2: Adaptive PLL Tuning System Presenter: Hunghao Ji Commentator: Ji Luo	10/23/01 Topic 1: Transformers for Si RF IC Designs Presenter: T. Kamgaing Commentator: E. Kanyogoro Topic 2: Interface States in 4H-SiC Inversion Layers Presenter: Esau Kanyogoro Commentator: T. Kamgaing
10/30/01 Topic 1: Quadruple Data Rate SDRAM Interface Presenter: Xingzhi Wen Commentator: Shaoxiong Hua Topic 2: Dynamic V Scaled Microprocessor Design Presenter: Shaoxiong Hua Commentator: Xingzhi Wen	11/06/01 Topic 1: Battery Powered Electronics Design Consideration Presenter: S. Shahparnia Commentator: C. Kommareddy Topic 2: 2D multiplication on a 3D systolic array Presenter: Mainak Sen Commentator: Troy Chesler
11/13/01 Topic 1: 8 Bit Neuron MOSFET Converter Presenter: Eric Tan Commentator: Troy Chesler Topic 2: Surface Emitting Laser Concepts Presenter: Paveen Apiratikul Commentator: W.C. Jeon Topic 3: MOS Models for RF IC Design Presenter: Troy Chesler Commentator: Aydin Balkan	11/20/01 Topic 1: Breakdown of thin SiO ₂ by hot hole injection Presenter: Dawei Heh Commentator: Paveen Apiratikul Topic 2: Foveated Silicon Retina for 2D Tracking Presenter: WooChul Jeon Commentator: Dawei Heh Topic 3: Dual CPU System on a Chip Presenter: Abdel-H. Badawy Commentator: Petru Andrei
11/27/01 Topic 1: Reliability of Laser MakeLink Presenter: Ji Luo Commentator: Honghao Ji Topic 2: 4 Quadrant Multiplier Presenter: Troy Chesler Commentator: Mainak Sen	12/04/01 Topic 1: Electron Mobility in SiC Presenter: Esau Kanyogoro Commentator: T. Kamgaing Topic 2: Transformer Coupled Si Power Amplifier Presenter: T. Kamgaing Commentator: Esau Kanyogoro
12/11/01 (last class day) Topic 1: Statistical Analysis of Semiconductors Presenter: Petru Andrei Commentator: Song Mao Topic 2: Stereo Audio Chip Using Filters Presenter: Song Mao Commentator: Abdel-H. Badawy	