

ECE 696: Electrical and Computer Engineering Seminar (Spring 2006)

January 20

Gang Tao (beginning of the course introduction)
Lloyd R. Harriott (department research overview)

January 27

Scott Acton, Signal, Image and Video Processing
Gang Tao, Adaptive Control

February 3

Zongli Lin, Nonlinear Control Theory

February 10

Stephen G. Wilson, Communications and Information Theory
Seth Silverstein, Statistical and Array Signal Processing

February 17

Yibin Zheng, "Image reconstruction techniques for medical imaging"
N. Scott Barker, Application of Microelectromechanical Systems (MEMS)

February 24

John C. Bean, Molecular Beam Epitaxy
Joe Campbell, Si-Based Optoelectronics

March 3

Boris Gelmont, Semiconductor Device Physics
Avik Ghosh, Nanoscale Transport

March 17

Tatiana Globus, Characterization and Optimization of Electronic and Photonic Materials and Devices
Mool C. Gupta, "NSF Industry/University Center for Laser Applications and NIA activities"

March 24

Arthur Lichtenberger, Superconducting Materials and Devices
Michael L. Reed, Microsystems

March 31

Nathan Swami, "Assessing the Environmental Risks and Impacts of Nanotechnology"
Robert Weikle, "Terahertz Devices and Systems: Technologies for Exploring the Submillimeter Gap"

April 7

Travis Blalock, Mixed-Signal CMOS VLSI Design
Ben Calhoun, Integrated Circuits and Systems

April 14

Joanne Bechta Dugan, Reliability Analysis of Hardware and Software Fault Tolerant Computer Systems
Barry Johnson, Biometrics

April 21

John Lach, "Designing Integrated Circuits with Temperature, Reliability, Safety, Parameter Variation"
Mircea Stan, "High-performance low-power VLSI circuits"

April 28

Malathi Veeraraghavan, Data Networks
Ronald Williams, Computer Design

May 5

Maite Brandt-Pearce, Communications Theory
Toby Berger, Information Theory