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