



The ECE Colloquium

Fall 2008

Thursdays at 4 pm

151 Everitt Lab
1406 W. Green, Urbana, IL

August 28 – “III-V MOSFET by Atomic Layer Deposition Technique”

Professor Peide Ye, Associate Professor, ECE, Purdue University

September 4 – “Vision and Challenges for Handheld Ultrasound”

Kai E. Thomenius, Ph.D. FAIUM, Chief Technologist, Ultrasound & Biomedical, GE Global Research

September 11 – “Photonic Crystals: Shaping the Flow of Thermal Radiation”

Dr. Ivan Celanovic, Laboratory for Electromagnetic and Electronic Systems, MIT

September 18 – “SiSonic – The First Commercialized MEMS Microphone”

Dr. Peter Loeppert, Knowles Electronics

September 25 – “Outer Hair Cells and Mammalian Hearing”

Professor Peter Dallos, Northwestern University

October 2– “Design for Reliability of Energy Processing Systems”

Assistant Professor Alejandro Dominguez-Garcia, ECE, UIUC

October 9 – “Many-Body Effects and Their Influences on Semiconductor Laser Devices”

Dr. Weng Chow, Sandia National Laboratory

October 16 – “X-Ray Laser Physics Power Scaling Optimization of 2.9 Angstrom Xe(L) X-Ray Amplifier to the Multi-Petawatt Level”

Dr. Charles K. Rhodes, University of Illinois, Chicago

October 23 – “60 GHz CMOS for Collision Avoidance and Communication”

Professor Joy Laskar, Georgia Tech

October 30 – “Research Ethics”

Tina Gunsalus, Special Counsel, Office of University Counsel, Adj. Professor, College of Law, Medicine, and Business, UIUC

November 6 – “Ultra-High Bit Rate Agile Photonic Networks”

Professor David Plant, ECE, McGill University, Montreal

November 13 - “Highlights of the DARPA University Photonic Research Center for Hyper-Uniform Nanophotonic Technologies (HUNT Center) Project”

Professor Norman (K.Y.) Cheng, ECE, UIUC

November 20 – “A New Generation of Behavior Synthesis Tool and Applications to Domain-Specific Computing”

Professor Jason Cong, Chair, Department of Computer Science, UCLA

December 4 – “Design and Control of Autonomous Systems”

Professor Raffaello D’Andrea, Automatic Control, ETH Zurich