

Seminars

2016

February 9, 2016, Dr. Kshitija Deshpande, Virginia Tech, SIGMA model and its application for GPS remote sensing of high latitude ionosphere

February 23, 2016, Vakhtang Jandieri, Fulbright Visiting Scholar, University of Illinois, Analysis of Wave Guidance by a Periodic Chain of Circular Rods

March 29, 2016, Dr. Raluca Ilie, University of Michigan, The ion-neutral dynamics in Earth's inner magnetosphere

2015

February 10, 2015, Huang-Ting Meng, University of Illinois, Investigation of General Purpose Computing on Graphics Processing Units and its Application for the Finite Element Method

March 4, 2015, Weng Cho Chew, University of Illinois, (CSE Seminar) Sesquicentennial of Maxwell's Equations and Computational Electromagnetics

March 10, 2015, Sir John Pendry, Imperial College London, (ECE Dept Sponsored) Metamaterials, Transformation Optics, and the Science of Invisibility

April 7, 2015, Dr. Edmund K. Miller, Los Alamos National Laboratory (retired), Advances in the Science of Radiation Physics

2014

February 17, 2014, Prof. Madhavan Swaminathan, Georgia Tech, Devices, Circuit and Systems Understanding their Interplay for Managing Signal, Power and Thermal Integrity

February 25, 2014, Prof. Gabriel Popescu, University of Illinois, Solving scattering problems using a microscope

March 11, 2014, Prof. Erhan Kudeki, University of Illinois, Incoherent Scatter Radar of the Low-Latitude Ionosphere

April 15, 2014, Prof. Kevin Webb, Purdue University, Electromagnetic Forces and Nanotweezers

April 29, 2014, Prof. Karl Warnick, Brigham Young University, The Updated 2013 Standard for Antenna Terms: Figures of Merit for Active Antenna Arrays

September 23, 2014, Dr. Ethan Wang, UCLA, Multiferroic Antennas: Electromagnetic Radiation Mediated by Acoustic Waves

September 30, 2014, Dr. Ada Poon, Stanford University, Engineering near-field in vivo with body for powering bioelectronics medicines

October 7, 2014, Sourajeet Roy, Colorado State University, Non-Intrusive Polynomial Approaches with Waveform Relaxation for Rapid Exploration of Large Dimensional Spaces in Interconnect and Packaging Simulation

October 14, 2014, Joseph Kotulski, Sandia National Laboratories, Computational Electromagnetics at Sandia National Laboratories - Current Code Capability

October 21, 2014, Andrew Greenwood, AFRL, High Performance Computing Software Applications Institute on High Power Microwaves

November 4, 2014, Dr. Mojtaba Fallahpour, University of Illinois, Miniaturized Reconfigurable Antennas to Address Requirements of Emerging Technologies

December 9, 2014, Prof. Lara Waldrop, University of Illinois, Sensing the time-variant of the space plasma environment around Earth

2013

January 29, 2013, Prof. Milton Feng, University of Illinois, Transistor Laser for Optical Interconnect

February 12, 2013, Dr. Brian Kent, Wright Patterson Air Force Base, Characterization of Space Shuttle Ascent Debris Based on Radar Scattering and Ballistic Properties - the NASA Debris Radar (NDR) System

February 19, 2013, Prof. Meisong Tong, Tongji University, Meshless Schemes for Solving Volume Integral Equations in Electromagnetics

March 5, 2013, Prof. Xudong Chen, National University of Singapore, Subspace-based Optimization Methods for Solving Inverse Scattering Problems

March 12, 2013, Dr. Apo Sezginer, KLA Tencor, EUV Lithography: Star Wars Tech - One More Song on Your iPod

April 9, 2013, Juan S. Ochoa, University of Illinois, Stochastic Modeling Techniques for Computational Electromagnetics Applications

April 23, 2013, Dr. Pierdavide Coisson, University of Illinois, Ionosphere and the upper atmosphere senses phenomena occurring at the Earth's surface

April 30, 2013, Phillip Atkins, University of Illinois, The Casimir Force and its Calculation Using Traditional Computational Electromagnetic Solvers

August 2, 2013, Dr. Davi Correia, Molex Inc., (Special Seminar) Technical Challenges and Innovative Solutions for Signal Integrity

August 21, 2013, Prof. Siddharth Ramachandran, Boston University, (Special Seminar) Scaling Network Capacity by Twisting Light

September 13, 2013, Levent Gurel, Bilkent University, Parallel-MLFMA Solutions for Large-Scale Problems Involving Dielectric and Composite Metamaterial Structures

September 25, 2013, Prof. Kent D. Choquette, University of Illinois, Coherently Coupled VCSEL Arrays

October 2, 2013, Rongkuo Zhao, Imperial College, London, Fluctuation Induced Electromagnetic Interactions between Nanostructures

October 8, 2013, Prof. Mats Gustafsson, Lund University Sweden, Convex Optimization: Optimal Design and Analysis of Small Antennas

October 15, 2013, Prof. Caicheng Lu, University of Kentucky, Simulation of Electromagnetic Scattering and Transmission of Array of Honeycomb or Honeycomb-Like Dielectric Structures

October 22, 2013, Prof. Jonathan Makela, University of Illinois, Global Navigation Satellite Systems: Not Just for Positioning Anymore