



IEEE Electron Devices Colloquium 2012



Presented by:

The IEEE Orlando Section EDS Chapter
and IEEE UCF Student Branch

Date and Location

Tuesday, March 20th, 2012

8:30AM – 12:20PM

Location: Harris Corp. Engineering Center 101

2:20PM – 4:40PM

Location: Engineering building-II 202A

Speakers

Location: HEC (Harris Corp. Center) RM101

8:30 - 8:45 **Dr. Zhihua Qu** (UCF)

ECE Chair's Message

8:45 – 9:00 **Dr. Kalpathy Sundaram** (UCF)

Opening Speech

9:00 – 9:10 **Wen Liu** (EDS, UCF)

Welcome note

9:10 – 9:50 **Nathaniel Peachey** (RF Micro Devices)

ESD Solution for Mature CMOS Technologies

10:00-10:40 **Chai Gill** (Freescale Semiconductor)

Designing for Gun Stress in Automotive Applications

10:50-11:30 **Jean-Jacques Hajjar** (Analog Devices)

SPICE Compatible Models for Circuit Simulation of ESD Events

11:40 - 12:20 **Paul Zhou** (Analog Devices)

Evaluation of CDM ESD Protection Effectiveness by VFTLP-VT Measurement and SPICE Simulation

Speakers (continued)

Location: Engineering Building II 202A

2:20 - 3:00 **Xin Yi Zhang** (Marvell Semiconductor)

ESD Debug Methodology - An industry Perspective

3:10 - 3:50 **Charles Chu** (Altera Corporation)

High-speed I/O ESD protection

4:00 - 4:40 **Jim Vinson** (Intersil Corporation)

The Challenges of Analog Design in a Foundry Processes

About the Colloquium

The IEEE Electron Device Society (EDS) Orlando Chapter and the IEEE UCF Student Branch would like to welcome you to the IEEE EDS Mini-Colloquium. The technical program consists of seven talks given by internationally recognized lecturers in the field of electron devices. The topics include recent development of electron device physics and modeling, electrostatic discharge protection device and circuit design, reliability and fabrication for advanced technologies.

This colloquium will provide an excellent opportunity for UCF graduate and undergraduate students to learn about the state of the art in micro/ nano-electronics, to interact and exchange ideas with the industry experts, and to discuss research activities. Furthermore, it provides a great networking opportunity for all the IEEE members in the Central Florida region.

For More Information Please Contact

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