



Design Challenges & State of the Art in 3D EM Field Simulations



The **Electrical and Computer Engineering Department** at the **American University of Beirut**, and **The IEEE AP/MTT/MAG Lebanon Chapter**, cordially invite you to the workshop “**Design Challenges and State of the Art in 3D EM Field Simulations**”. The workshop features a series of presentations by Dr. Mohamed El-Hadidy, General Manager of CST Middle East.

Date: Saturday December 15, 2012

Place: AUB, Bechtel Building, RCR Room

Workshop Program:

Time	Duration	Description
9:30 AM	10	AUB: Welcome, Introduction and EM Simulation Needs
9:40 AM	20	CST Company Introduction
10:00 AM	30	CST Studio Suite 2013: Complete Technology for 3D Electromagnetic Simulation
10:30 AM	20	Antenna Simulation features in CST Microwave Studio - Online Demo
10:50 AM	40	SI/PI and EMC/EMI Application Notes using CST STUDIO SUITE tools: CST MICROWAVE STUDIO, CST MICROSTRIPES, CST CABLE STUDIO, and CST PCB STUDIO
11:30 AM	10	Coffee Break
11:40 AM	20	Human Body Models and CST Voxel for Biomedical Applications
12:00 PM	30	Antenna Measurement Systems (MVG)
12:30 PM	45	Current Research Activities (UWB MIMO, Cognitive Radio, Interference Alignment, Imaging, RFID,)
1:15 PM	15	Discussion and Closing