Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015
Hardware Experiments and Software Demos

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1 Hardware Experiments and Software Demos
Chairs:
Sam Connor, IBM Systems & Technology Group, Armonk, USA
Stefan Dickmann, Helmut-Schmidt-University, Hamburg, Germany

2 Tuesday, August 18
2.1 10:00 AM – 12:00 AM
ID H10
Electromagnetic Interactions in Electronic Architectures: A Tutorial Case on a Mobile System
Jean-Marc Dienot, Labceem-LGP, Univ. P. Sabatier, Tarbes, France

ID H11
Wireless Power with Magnetic Shielding
Adriààn Suààrez Zapata, University of Valencia, Valencia, Spain

ID H17
Faster Hardware Troubleshooting of Intermittent and Co-Located Narrowband, Broadband, and Wireless Signals Using Real-Time FFT Spectral Analysis
Lee Hill, SILENT Solutions, Amherst, USA

2.2 2:00 PM – 4:00 PM
ID H8
Transfer Impedance and current
Frits Buesink, University of Twente, Enschede, The Netherlands

ID H9
Detecting and Solving EMC Problems in Large and Complex Industrial Installations
Werner Grommes, Institute for research and testing of the German Social Accident Insurance (IFA), Sankt Augustin, Germany

ID H2
EMC Demo Box
Marcel van Doorn, Philips Innovation Services, Eindhoven, The Netherlands
3  Wednesday, August 19

3.1  10:00 AM – 12:00 AM

ID S3
**EMC studies in Aeronautical Domain / Lightning Strike and Antenna Coupling Scenarios**
Eddy Jehamy, Markus Schick, FEKO – Altair Engineering GmbH, Böblingen, Germany

ID H3
**Spectra of Digital Waveforms- Effects of the Rise/Fall Time, Duty Cycle, and Amplitude on the Frequency Content of Signals**
Bogdan Adamczyk, Grand Valley State University, Grand Rapids, USA

ID S2
**Efficient emission analysis by coupling 3D full wave solvers with circuit simulation**
Andreas Barchanski, CST-Computer Simulation Technology AG, Darmstadt, Germany

3.2  2:00 PM – 4:00 PM

ID H12
**Radiated Emissions of Cables through Shielded Enclosure Seams and Effect of Time Rise/Fall on Clock Signals**
Adrián Suárez Zapata, University of Valencia, Valencia, Spain

ID H18
**Measuring and Displaying the Surprising Impact of DC Bias on Impedance of EMI Suppression Ferrites**
Lee Hill, SILENT Solutions, Amherst, USA

ID H6
**Time Domain Site VSWR Measurements**
Zhong Chen, ETS-Lindgren, Cedar Park, USA

4  Thursday, August 20

4.1  10:00 AM – 12:00 AM

ID H7
**Electrostatic Discharges (ESD)**
Frits Buesink, University of Twente, Enschede, The Netherlands

ID H14
Capacitive and Inductive Coupling
Stefan Parr, Kai Rathjen, Helmut-Schmidt-Universität, Hamburg, Germany

ID H15
Radiated Emissions of Cables
Bob Scully, NASA, League City, USA

4.2 2:00 PM – 4:00 PM

ID H13
Reducing Conducted Electromagnetic Interference
Stefan Parr, Kai Rathjen, Helmut-Schmidt-Universität, Hamburg, Germany

ID H4
Three tubes
Ramiro Serra, Alexander van Deursen, Eindhoven University of Technology, Eindhoven, The Netherlands

ID H5
Non-conservative Electric Field, a Demo for Courses on EMC and Electromagnetic Fields
Alexander van Deursen, Eindhoven University of Technology, Eindhoven, The Netherlands