

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

1	Hardware Experiments and Software Demos	2
2	Tuesday, August 18	2
2.1	10:00 AM – 12:00 AM.....	2
2.2	2:00 PM – 4:00 PM	2
3	Wednesday, August 19	3
3.1	10:00 AM – 12:00 AM.....	3
3.2	2:00 PM – 4:00 PM	3
4	Thursday, August 20	3
4.1	10:00 AM – 12:00 AM.....	3
4.2	2:00 PM – 4:00 PM	4

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

Adrià Suàrez 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

Adrià 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