



ANSYS | Simulation Days 2017

Timisoara: Low Frequency + High Frequency + Electronics Thermal Management
Hotel NH Timisoara

Agenda

09.30 – 10.00	Welcome Coffee		
10.00 – 10.30	Welcome note		
10.30 – 12.30	ANSYS R18.2 – overview, updates & new features David Prestaux - Lead application Engineer ANSYS Camelia Stoica – EBU Technical Services, INAS SA		
12.30 – 13.00	Quick Lunch		
13.00 – 16.30	Hands-on ANSYS Maxwell* Camelia Stoica – EBU Technical Services, INAS SA Workshop - Modeling and simulation of rotating electrical machines using analytical and FEM methods.	Hands-on ANSYS HFSS * David Prestaux - Lead application Engineer ANSYS workshop1: HFSS design of Horn and reflector antenna - use of Hybrid FE-BI and IE regions - placement study with parametric analysis and re-use of the mesh during parametric sweep. workshop2: Antenna Placement and Coupling: Component modeling - project set up and design analysis - far field report - 3D component generation to be used in further antenna integration platforms studies. workshop3: Antenna to antenna coupling - generating an antenna source for use in standalone Savant user interface - antenna model as field source from HFSS. SBR simulation workshop4: Vehicle to Home communication with Savant: Run a coupling analysis in dynamic Scene in Savant. SBR simulation	Hands-on ANSYS Icepak * Lucian Bodin – MBU Technical Services, INAS SA Workshop 1 - Import, simplify and convert geometry into Icepak objects using Spaceclaim Workshop 2 - Create geometry in the Icepak interface using predefined Icepak objects (heat sink, pcb, block, source etc) Workshop 3 - Creating the finite element model (mesh methods, global and local controls) and importing ECAD file Workshop 4 - Coupled field analysis thermal-structural using ANSYS Icepak and Mechanical

* Pentru sesiunea Hands-on, este necesar laptop. Licențele vor fi puse la dispoziție de către INAS. Licențele trebuie instalate înainte de seminar.