



High Performance Engineering Solutions 2017

18th-19th of May, Hotel Internațional, Sinaia

Agenda

Day 1 Thursday, May 18 th	
09.00 – 09.30	Registration & Coffee
09.30 – 09.45	Welcome note Constantin Ciolofan – General Manager, INAS SA
09.45 – 10.30	Digital technologies. Everywhere #thefutureisnow #industry4.0 #iot Ioana Tircomnicu-Unga – Sales Manager, INAS SA
10.30 – 11.15	ANSYS Corporate Overview Anna Kvarnström - Senior Engineer, Customer Excellence - ANSYS Sweden AB
11.15 – 11.30	Coffee break
11.30 – 12.00	ANSYS R18 Updates Florian Vlădulescu - MBU Technical Services, INAS SA
12.00 – 12.30	R18 ANSYS Mechanical live – Structural analysis and mechanism study for an industrial robot Florian Vlădulescu - MBU Technical Services, INAS SA

12.30 – 14.00	Lunch	
	Room: Forum	Room: 2 & 3
14.00 – 14.45	ANSYS CFD live – A Coupled Simulation of a Valve using ANSYS Multiphysics Sanjay Padhiar - FBU Technical Services, INAS SA	Hands-on ANSYS Mechanical / CFD / AIM Pro / SpaceClaim Direct Modeler / Creo / Moldex3D / Vericut / Bentley Microstation (*Requires online registration for each solution; limited seats)
14.45 – 15.30	R18 ANSYS SpaceClaim DirectModeler live - Geometry preparation using SpaceClaim Direct Modeler in structural analysis for a frame Razvan Stanca - MBU Technical Services, INAS SA	
15.30 – 16.00	GENESIS Structural Optimization for ANSYS Mechanical live - Topology optimization with GSAM for a frame Razvan Stanca - MBU Technical Services, INAS SA	
16.00 – 16.15	Coffee break	
16.15 – 16.45	PRO SYS – Hardware Solutions Petrica Barbieru – General Manager, PRO SYS	Hands-on ANSYS Mechanical / CFD / AIM Pro / SpaceClaim Direct Modeler / Creo / Moldex3D / Vericut / Bentley Microstation (*Requires online registration for each solution; limited seats)
16.45 – 18.00	Users' paperwork ANSYS	
	Analysis of a test bench for mechatronic applications - Baran Daniela, Tataru Simion, INCAS	
	HFSS Application: Electromagnetic Shielded Chambers Design - Enache Mihai, Ploshita Albert, Boteanu Adina, Stoica Dan - ACTTM	
	The AUSM scheme implemented in Ansys Fluent for hypersonic flows - M. L. Niculescu, M. C. Fadyas, M. G. Cojocaru, M. V. Pricop, M. G. Stoican, D. Pepelea, INCAS	
19.30	2017HPES Dinner	

Day 2 Friday, May 19th		
	Room: Forum	Room: 2 & 3
09.30 – 10.15	R18 ANSYS CFD live - Multiscale modeling and simulation of arterial blood flow Dan Rafiroiu - FBU Technical Services, INAS SA	Hands-on ANSYS Mechanical / CFD / AIM Pro / SpaceClaim Direct Modeler / Creo / Moldex3D / Vericut / Bentley Microstation (*Requires online registration for each solution; limited seats)
10.15 – 11.00	R18 ANSYS Mechanical-STR live - Simulating a drop test of a water-filled container onto a rigid surface Florian Vlădulescu - MBU Technical Services, INAS SA	

11.00 – 11.15	Coffee break	
11.15 – 11.45	ANSYS AIM live - Heat transfer and thermal-stress simulation on a heat exchanger Lucian Bodin – MBU Technical Services, INAS SA	Hands-on ANSYS Mechanical / CFD / AIM Pro / SpaceClaim Direct Modeler / Creo / Moldex3D / Vericut / Bentley Microstation (*Requires online registration for each solution; limited seats)
11.45 – 12.30	Creo 4.0 live - Think, design, improve with Creo Parametric 4.0 Ionuț Nănău – CAD/CAM Technical Services, INAS SA	
12.30 – 14.00	Lunch	
14.00 – 14.45	Moldex3D R14 live – Structural Integrity Evaluation of Plastic Injection Molding Parts Viorel Diorduc – CAD/CAM Technical Services, INAS SA	Hands-on ANSYS Mechanical / CFD / AIM Pro / SpaceClaim Direct Modeler / Creo / Moldex3D / Vericut / Bentley Microstation (*Requires online registration for each solution; limited seats)
14.45 – 15.30	R18 ANSYS Icepak live - Hot PCBs (Trace Layer Import) cooling with fans Lucian Bodin – MBU Technical Services, INAS SA	
15.30 – 15.45	Coffee break	
15.45 – 16.30	R18 ANSYS HFSS live - Using antenna toolkit for modeling a cell phone SAR distribution on a human head. Camelia Stoica & Stefan Prodan – EBU Technical Services, INAS SA	Hands-on ANSYS Mechanical / CFD / AIM Pro / SpaceClaim Direct Modeler / Creo / Moldex3D / Vericut / Bentley Microstation (*Requires online registration for each solution; limited seats)
16.30 – 17.00	R18 ANSYS Maxwell & RMxprt live - Modeling, optimization and electromagnetic analysis of electrical rotating machines. Camelia Stoica – EBU Technical Services, INAS SA	
17.00 – 17.15	Awards & Wrap-up	