



# High Performance Engineering Solutions 2019

23<sup>rd</sup> - 24<sup>th</sup> of May, Hotel Ana Sport, Poiana Braşov

## Agenda

Day 1 Thursday, May 23<sup>th</sup>

09:00 – 09:30	<b>Registration &amp; Coffee</b>
09:30 – 09:40	<b>Welcome note</b> Constantin Ciolofan – General Manager, INAS SA
09:40 – 10:00	<b>INAS overview</b> Ioana Tircomnicu-Unga – Sales Manager, INAS SA
10:00 – 10:45	<b>ANSYS Corporate Overview</b> Martin Mann - Channel Manager Eastern Europe, ANSYS Inc.
10:45 – 11:00	<b>Coffee break</b>
11:00 – 11:45	<b>ANSYS Systems (digital twins, functional safety, embedded software simulation)</b> Bruno Privat – Systems Business Unit, ANSYS Inc. Jair Gonzalez – Systems Business Unit, ANSYS Inc.
11:45 – 12:15	<b>Digital Engineering Journey</b> Robert Opletal – PTC
12:15 – 12:45	<b>IoT and Simulation driven Design</b> Sergey Butyaga – PTC
12:45 – 14:00	<b>Lunch</b>

	Forum	Bentley Seminar
14:00 – 14:45	<b>The CADFEM ANSYS Extensions – Why customizing ANSYS</b> Thomas Schneider – CADFEM Germany	<b>Bentley Overview – OpenFlows CONNECT Edition</b> <b>WaterGEMS – SewerGEMS – FLOOD – OpenUtilities</b> <b>Hands-on</b> <b>Modeling Fundamentals; Building a Network with Fire Flows</b> <b>Importing Basic Model Data, Modeling Pumps, Tanks;</b>  (*Requires <b>online</b> registration for each solution; limited seats)
14:45 – 15:30	<b>ANSYS SpaceClaim DirectModeler updates <b>live</b> + Better design understanding using optiSLang <b>live</b></b> Razvan Stanca - MBU Technical Services, INAS SA	
15:30 – 15:45	<b>Success Story</b>	
15:45 – 16:00	Coffee break	
16:00 – 17:00	<b>ANSYS Mechanical 2019 Update – <b>Demo live</b></b> Florian Vlădulescu - MBU Technical Services, INAS SA	<b>Hands-on</b> <b>Automated Fire Flow Analysis; Criticality Analysis &amp; Pressure Zone Manager; Analysis of Valving &amp; Critical Segments; Extended Period Simulation; EPS Modeling and Energy Costing Analysis; Geospatial Data; ModelBuilder, Trex &amp; LoadBuilder</b>  (*Requires <b>online</b> registration for each solution; limited seats)
16:50 - 17:00	<b>Success Story</b>	
19:30	<b>2019HPES Dinner</b>	

<b>Day 2 Friday, May 24<sup>th</sup></b>			
	Forum	Hands-on	Bentley Seminar
09:30 – 10:00	<b>ANSYS Discovery Live: Real-Time Simulation Revolution – <b>live</b></b> Lucian Bodin – MBU Technical Services, INAS SA	<b>Hands-on</b>  ANSYS Mechanical / Discovery Live / Moldex3D / Vericut  (*Requires <b>online</b> registration for each solution; limited seats)	<b>Hands-on</b> <b>Sewer Modeling Theory; Extended Period Simulations; Catchment Hydrology; Constructing a Gravity Network;</b>  (*Requires <b>online</b> registration for each solution; limited seats)
10:00 – 10:15	<b>Success Story</b>		<b>Hands-on</b>  <b>Geospatial Data Tools; Water Quality Analysis; Gravity and Pressure</b>  (*Requires <b>online</b> registration for each solution; limited seats)
10:15 – 10:45	<b>ANSYS CFD – <b>live</b></b> Sanjay Padhiar - FBU Technical Services, INAS SA		
10:45 - 11:00	<b>Success Story</b>		
11:00 – 11:15	Coffee break		

11:15 – 11:45	<b>ANSYS HFSS &amp; SIwave - Simulation Tools that Ensure the Reliability of Electronics – live</b> Camelia Stoica – EBU Technical Services, INAS SA		
11:45 - 12:00	<b>Success Story</b>	<b>Hands-on</b>	<b>Hands-on</b>
12:00 – 12:20	<b>Electronics Thermal Management using ANSYS Icepak 2019 R1 – live</b> Lucian Bodin – MBU Technical Services, INAS SA	ANSYS Mechanical / Discovery Live / Moldex3D / Vericut  (*Requires <b>online</b> registration for each solution; limited seats)	<b>Designing a New System; CSO Analysis; Model Calibration</b>  (*Requires <b>online</b> registration for each solution; limited seats)
12:20 - 12:30	<b>Success Story</b>		
12:30 – 14:00	<b>Lunch</b>		
14:00 – 14:30	<b>Multiphysics simulation for PCB Designers – Challenges and Solutions</b> Dirk Müller - President of FlowCAD Group, FlowCAD EDA-Software Vertriebs GmbH		<b>OpenFlows FLOOD – Flood Modelling Software – mitigating flood risks in urban, riverine and coastal systems</b>
14:30 – 15:00	<b>Topology Optimization Directly in Creo 5.0 – live</b> Viorel Diorduc – CAD/CAM Technical Services, INAS SA		(*Requires <b>online</b> registration for each solution; limited seats)
15:00 - 15:10	<b>Success Story</b>	<b>Hands-on</b>	<b>OpenCities Map Engineering-quality GIS and Mapping</b>
15:10 – 15:40	<b>Studio; the new User Interface in Moldex3D, features and functions</b> Moldex Specialist	ANSYS Mechanical / Discovery Live / Moldex3D / Vericut  (*Requires <b>online</b> registration for each solution; limited seats)	(*Requires <b>online</b> registration for each solution; limited seats)
15:40 - 15:50	<b>Success Story</b>		<b>OpenUtilities Utilities Network Design and GIS Software</b>
15:50 – 16:10	<b>Creo 5.0 - Simulation Live Extension - explore in minutes the impact of design changes – live</b> Viorel Diorduc – CAD/CAM Technical Services, INAS SA		(*Requires <b>online</b> registration for each solution; limited seats)
16:10 – 16:25	<b>Coffee break</b>		

<p>16:25 – 16:45</p>	<p><b>ANSYS Additive Manufacturing</b></p> <p>Users' paperwork   ANSYS (* See detailed agenda, attached)</p>	<p><b>Hands-on</b></p> <p>ANSYS Mechanical / Discovery Live / Moldex3D / Vericut</p> <p>(*Requires <b>online</b> registration for each solution; limited seats)</p>	<p><b>Success Story</b></p>
<p>16:45 – 17:15</p>	<p><b>Awards &amp; Wrap-up</b></p>		