



October 18-19, 2018, SINAIA, Hotel Internațional, Room Colocvium

## INNOVATION AND EFFICIENCY USING NUMERICAL SIMULATION

### AGENDA

Day one - Thursday, October 18, 2018

09:00–10:00	<i>Attendees registration &amp; welcome coffee</i>
10:00–10:10	<i>WELCOME speech</i> Cristina OPREA, TENSOR
10:10-10:50	<i>ANSYS Inc corporate overview</i> Martin MANN, ANSYS Germany
10:50-11:30	<i>ANSYS structural update</i> Răzvan MAHU, TENSOR
11:30–12:00	<i>First break for coffee and get acquainted</i>
12:00-12:45	<i>ANSYS high frequency electromagnetic suite update (HFSS, SIwave, Circuit, Icepak)</i> Felipe CASTRO, ANSYS France
12:45-13:00	<i>ANSYS low frequency electromagnetic suite update(Maxwell)</i> Nicolae BĂDULESCU, TENSOR
13:00-13:30	<i>ANSYS fluids update</i> Răzvan MAHU, TENSOR
13:30-14:30	<i>Lunch and networking break</i>
14:30-14:45	<i>ANSYS additive suite intro</i> Mircea KOZMA, TENSOR
14:45-15:15	<i>DCIR+Thermal for Accurate Electrothermal Analysis with SIwave+Icepak</i> Felipe CASTRO, ANSYS France
15:15-15:30	<i>Maxwell customer project – electromagnetic seals ROSEAL Odorheiul Secuiesc</i> Nicolae BĂDULESCU, TENSOR
15:30-16:00	<i>ANSYS Discovery suite update</i> Răzvan MAHU, TENSOR
16:00-16:30	<i>Last coffee break of first day</i>
16:30-16:45	<i>Complementary solutions – DANTE heat treatment ANSYS add-on</i> Mircea KOZMA, TENSOR
16:45-17:00	<i>Mastering SI/PI for advanced package design</i> Alin FLOREA, eSilicon
17:00-17:15	<i>Numerical comparison study of four dust injection methods inside a harsh environment testing facility</i> George Mădălin CHITARU, UTCB-Universitatea Tehnică de Construcții București

17:15-17:30	<i>IAR 99 ground vibration test and numerical simulation model for dynamic analysis</i> <b>Daniela BARAN, INCAS-National Institute for Aerospace Research "Elie Carafoli"</b>
17:30-17:45	<i>Planar inductor design and optimization for a buck-boost converter</i> <b>Mădălina Sabău, Delta Energy Systems</b>
17:45-18:00	<i>Wrap-up of the 1st day &amp; Info for dinner trip</i>
19:30-23:00	<i>Plentiful dinner at Regales restaurant, Sinaia</i>

### Day two - Friday, October 19, 2018

09:30-10:00	<i>ANSYS explicit dynamics intro</i> <b>Răzvan MAHU, TENSOR</b>
10:00-10:30	<i>How CPS can speed up and increase the reliability of your electronics systems by tackling your Multiphysics challenges ?</i> <b>Felipe CASTRO, ANSYS France</b>
10:30-10:45	<i>The influence of catalyst structure and bipolar plate design on PEM fuel cells performance</i> <b>Elena CARCADEA, ICSI-Institutul Național de Cercetare-Dezvoltare pentru Tehnologii Criogenice și Izotopice Râmnicu Vâlcea</b>
10:45-11:00	<i>Transformer power losses investigation using FEA simulation</i> <b>Amir Bogza, Delta Energy Systems</b>
11:00-11:30	<i>Last coffee break before final session</i>
11:30-11:45	<i>DES simulation of turbulent flow into a pipe</i> <b>Gelu MUSCĂ, UTCB-Universitatea Tehnică de Construcții București</b>
11:45-12:30	<i>Fluent meshing - the new workflow</i> <b>Răzvan MAHU, TENSOR</b>
12:30-13:00	<i>Questions, prizes awarding, wrap-up, good byes</i>
13:00-14:00	<i>Last lunch before returning home</i>
<b>14:00</b>	<i>Start your journey back to your loved ones</i>