

## Workshop on Carbon-based Nanocomposites

*Cutting-edge technology for multiple uses*

November 21<sup>st</sup>, 2018

### FINAL PROGRAM

08:30 – 09:00	<b>Registration and Welcome</b>
09:00 – 09:15	<b>Opening remarks</b> <i>Sônia Malmonge (UFABC), Peter Johansson (Consulate General of Sweden in São Paulo) and organizers</i>
09:15 – 09:45	<b>National ST&amp;I Action Plan for Convergent and Enabling Technologies</b> <i>Leandro Antunes Berti (Ministry of Science, Technology, Innovation and Communications – MCTIC)</i>
<b>Session 1 – Properties and Processing</b>	
<b>Chairman:</b> Danilo Carastan	
09:45 – 10:05	<b>Morphology and properties of graphene polymer nanocomposites</b> <i>Roland Kadar (Chalmers University of Technology)</i>
10:05 – 10:25	<b>Challenges in the production and characterization of polymeric nanocomposites based on two-dimensional fillers</b> <i>Guilhermino Fecine (Mackgraphe)</i>
10:25 – 10:50	<b>Networking Coffee hosted by CISB</b>
10:50 – 11:10	<b>Tailored carbon nanomaterials for enhancements in mechanical properties of epoxy and polyurethane nanocomposites: scale up in the CTNano/UFMG</b> <i>Glaura Goulart Silva (UFMG)</i>
11:10 – 11:30	<b>Multifunctional polyolefinic nanocomposites with carbon fillers</b> <i>Griselda Barrera Galland (UFRGS)</i>
<b>Session 2 – Characterization and Modeling</b>	
<b>Chairman:</b> Linnea Selegård	
11:30 – 11:50	<b>Modeling and simulation of structural composites based on graphene enhanced matrix material</b> <i>Ragnar Larsson (Chalmers University of Technology)</i>
11:50 – 12:10	<b>Influence of Carbon-based Nanoparticles on the Rheological, Mechanical and Electrical Properties of Polymers</b> <i>Danilo Carastan (UFABC)</i>
12:10 – 13:40	<b>Networking Lunch (self-payment)</b>

13:40 – 14:00	<b>Mixed analytical/computational approach to developing a homogenized material response for graphene polymer composites</b> <i>Brina Blinzler (Chalmers University of Technology)</i>
14:00 – 14:20	<b>Synthesis and characterization of conducting polymers/graphene oxide nanocomposites</b> <i>Everaldo Carlos Venancio (UFABC)</i>
<b>Session 3 – Applications</b> <b>Chairman:</b> Ragnar Larsson	
14:20 – 14:40	<b>Functionalities of nanocomposites and its use in Aeronautical applications</b> <i>Linnea Selegård (Saab AB)</i>
14:40 – 15:00	<b>Processing of composites containing nanomaterials</b> <i>Per Hallander (Saab AB)</i>
15:00 – 15:30	<b>Networking Coffee hosted by CISB</b>
15:30 – 15:50	<b>Different synthetic methods for new graphene-based nanocomposites applied in energy field</b> <i>Sergio Humberto Domingues (Mackgraphe)</i>
15:50 – 16:10	<b>10 years of research and education network Linköping University -Federal University of Bahia</b> <i>Angela Sanseverino (Linköping University)</i>
16:10 – 16:30	<b>Closing Remarks</b>
16:30	<b>Goodbye</b>