

NART 2019 program - Main sessions (Room: G315)

19th September 2019			
<p>Session Chairman: Prof. Miroslav Cernik, Technical University of Liberec, Czech Republic</p>			
9:00 – 11:20 Morning session	<p>Keynote Speech 9:00 - 9:40</p>	<p>Andreas Greiner, University of Bayreuth, Germany</p>	<p>Mesostructured biomimetic nanofiber nonwovens top-down combined with bottom-Up</p>
	<p>9:40 - 10:05</p>	<p>Muhammad Tayyab Noman, Technical University of Liberec Czech Republic</p>	<p>Synthesis and application of nano crystalline anatase TiO₂</p>
	<p>10:05 - 10:30</p>	<p>Branko Neral, University of Maribor, Slovenia</p>	<p>Dye adsorption efficiency of surface functionalised cellulose nanofibrils during a household textile laundering</p>
	<p>10:30 - 10:55</p>	<p>Christian Adlhart, ZHAW Zurich University of Applied Sciences, Switzerland</p>	<p>The potential of 3D nanofiber architectures in filtration and separation applications</p>
	<p>10:55 - 11:20</p>	<p>Radim Křenek, Elmarco s.r.o., Czech Republic</p>	<p>Optical analysis of needle-free electrospinning process on a wire electrode</p>
Lunch Break			
<p>Session Chairman: Dr. Thomas H Daugherty, The Nonwovens Institute, USA</p>			
12:20 – 14:40 Afternoon session	<p>Keynote Speech 12:20 - 13:00</p>	<p>Luciano F. Boesel, Empa, Swiss Federal Laboratories for Materials Testing and Research, Switzerland</p>	<p>Smart Textiles for Health Monitoring and Drug Delivery</p>
	<p>13:00 - 13:25</p>	<p>Martin Kormunda, University J.E. Purkyně in Ústí nad Labem, Czech Republic</p>	<p>XPS study of functionalized nanofibers and membranes with antibacterial functionalities</p>
	<p>13:25 - 13:50</p>	<p>Hatice Ibili, Gaziantep University, Turkey</p>	<p>Investigation of Superhydrophobic and Antibacterial Surfaces' Formation via Electrohydrodynamic Atomization (Electrospraying) and Padding Methods</p>
	<p>13:50 - 14:15</p>	<p>Dana Křemenáková, Technical University of Liberec, Czech Republic</p>	<p>Multifunctional Effects of Copper/Nickel Nano Coated Lightweight Nonwovens</p>
	<p>14:15 - 14:40</p>	<p>Haoqing Hou, Jiangxi Normal University, China</p>	<p>Mass Production of Electrospun Polyimide Nanofibers for Li-Ion Battery Separators, Textiles and Protective Clothing</p>
Coffee Break			
<p>Session Chairman: Prof. Andreas Greiner, University of Bayreuth, Germany</p>			
15:00 – 17:20 Session	<p>Keynote Speech 15:00 - 15:40</p>	<p>María L. Auad, Auburn University, USA</p>	<p>Polymers for Advanced Applications: from controlled chemistry to unique properties</p>
	<p>15:40 - 16:05</p>	<p>Seema Agarwal, University of Bayreuth, Germany</p>	<p>Electrospun nonwovens in organic catalysis</p>
	<p>16:05 - 16:30</p>	<p>Hana Křížová, Technical University of Liberec Czech Republic</p>	<p>Plasma prepared silica nanolayer as the anticorrosive protection of conductive copper surface on PES nonwoven</p>
	<p>16:30 - 16:55</p>	<p>Jakub Wiener, Technical University of Liberec Czech Republic</p>	<p>Structures containing PCM and nanofibers</p>
	<p>16:55-17:20</p>	<p>Moaz Eideeb, Mansoura University, Egypt</p>	<p>Optimization of Solution Blow Nano Spinning Process Using Numerical Simulation</p>