

NART 2019 program - Main sessions (Room: G315)

18th September 2019			
9:30 – 12:00 Opening Ceremony	Session Chairman: Assoc. Prof. Stanislav Petrik, Chairman of NART2019 Conference, Technical University of Liberec, Czech Republic Moderator: Assoc. Prof. Mohamed Eldessouki, Head of NART2019 Executive Committee, Technical University of Liberec, Czech Republic		
	9:30 - 9:50	TUL Administration	OPENNING AND WELCOME BY TUL & LIBEREC OFFICIALS
	Keynote Speech		
	9:50 - 10:30	Thomas H Daugherty, The Nonwovens Institute, USA	Developments in Advanced Meltblowing
	Keynote Speech		
	10:30 - 11:10	Wallace Leung, The Hong Kong Polytechnic University, Hong Kong	Novel Nanofiber Technologies for Energy and Environment
	11:10 - 11:35	Vlad Stolojan, University of Surrey, UK	Textile energy harvesters and medical sensors based on electrospun Polyvinylidene fluoride
	11:35 - 12:00	Bekir Acikabak, Istanbul Technical University, Gumussuyu, Turkey	Production Of Continuous Polyacrylonitrile Nanofiber Yarn via Special Designed Electrospinning Machine
Lunch Break			
13:00 – 15:00 Afternoon session	Session Chairman: Assoc. Prof. Mohamed Eldessouki, Head of NART2019 Executive Committee, Technical University of Liberec, Czech Republic		
	Keynote Speech		
	13:00 - 13:40	Alexander Yarin, University of Illinois at Chicago, USA	Soft robots, actuators, heaters and sensors based on nanofibers
	13:40 - 14:05	Walter Arne, Fraunhofer ITWM, Germany	Modeling and Simulation of Viscoelastic Jets in Melt-Blowing Process
	14:05 - 14:30	Traian Dumitrica, University of Minnesota, USA	Mesoscopic Distinct Element Method Simulations of Carbon Nanotube Yarns
	14:30 - 14:55	Pavla Čapková, University J.E. Purkyně in Ústí nad Labem, Czech Republic	Effect of molecular and crystal structure on morphology and properties of electrospun nanofibers; Combination of XRD, HRSEM and molecular modeling
Coffee Break			
15:30 – 17:25 Session	Session Chairman: RNDr. Alena Ševců, Technical University of Liberec, Czech Republic		
	Keynote Speech		
	15:30 - 16:10	Giuseppino Fortunato, Empa, Swiss Federal Laboratories for Materials Testing and Research, Switzerland	Electrospun fibers and membranes with tailored mechanical properties for biomedical applications
	16:10 - 16:35	Veronika Medvecká, Masaryk University in Brno, Czech Republic	Low-cost, energy-saving plasma assisted preparation of inorganic submicron fibers
	16:35 - 17:00	Vinod Padil, Technical University of Liberec Czech Republic	"Green" Electrospun Materials Based on Tree Gums and their Multiple Applications
	17:00 - 17:25	Petr Ryšánek, University J.E. Purkyně in Ústí nad Labem, Czech Republic	Modification of nanofibrous polyamide 6 for preparation of antibacterial air filtration membranes
19:30 - 23:00 Social and Networking Dinner			