

Monday, August 31, 2015

Hall Nr.1	Technical University of Liberec - building G - 3rd floor		
10:30 - 13:00	Registration and Lunch		
13:00 - 13:20	Opening Ceremony		
Plenary Session			
13:20 - 13:50	KEYNOTE SPEAKER Behnam Pourdeyhimi	The Nonwovens Institute, NC State University	Developments in the production of high surface area fibers and nonwovens
13:50 - 14:20	KEYNOTE SPEAKER Seeram Ramakrishna	Center for Nanofibers & Nanotechnology, National University of Singapore	Electrospinning: Where do We Go from Here?
14:20 - 14:50	KEYNOTE SPEAKER David Lukáš	Technical University of Liberec	AC Electrospinning and its application
14:50 - 15:10	Break		

Hall Nr.1	Micro and Nanofibers and Related Materials		
15:10 - 15:30	KEYNOTE SPEAKER George Chase	The University of Akron	Functional Nanofibers for Practical Applications
15:30 - 15:50	Vinod Vellora Thekkkae Padil	Institute for nanomaterials, Advanced Technologies and Innovation, TUL	Electrospun membranes based on tree gum - supported activated carbon and nanoscale zero-valent iron for the removal of nanoparti
15:50 - 16:00	Lubomír Špaňhel	Technical university of Liberec	Multifunctional nanoparticles and Materials Controlled by Structure
Micro and Nanofiber Technology and Trends - Technologies for Filtration and Separation			
16:00 - 16:20	Rodney Samuel Komlenic	Ahlstrom Filtration	Filtration Capability of Electroadsorptive Nanofiber and Potential Integration with Electrospun Nanofiber Technology
16:20 - 16:40	Martin Dauner	Institut für Textil- und Verfahrenstechnik Denkendorf, Germany	Homogeneity of finest fiber media for separation and filtration
16:40 - 17:00	Mehmet Durmus Calisir	Istanbul Technical University	A Promising Approach for Water Filtration: Functionalization of PVDF Nanofiber Surface with ZnO and Phthalocyanine Dye Molecule

Hall Nr.3	COST workshop		
15:10 - 15:20	Tamer Uyar	Bilkent University, UNAM-Institute of Materials Science & Nanotechnology	WELCOME, COST workshop Opening Remarks
15:20 - 15:40	Jose Maria Lagaron	CSIC	High Throughput Electrospinning As Efficient Temperature Buffers
15:40 - 16:00	Wallace Woon-Fong Leung	The Hong Kong Polytechnic University	Optimizing scattering layer for efficient dye sensitized solar cells based
16:00 - 16:20	Asli Celebioglu	Institute of Materials Science and Nanotechnology - Bilkent University	Electrospun Cyclodextrin Nanofibers Incorporating Metal Nanoparticles (Au-NP, Ag-NP and Pd-NP):A Greener and One-step Approach
16:20 - 16:40	Diego Omar Sanchez Ramirez	CNR-ISMAL BIELLA	Protein-based Nanofibre Membranes With Functional Nanoparticles
16:40 - 17:00	Antonella Macagnano	Institute of Atmospheric Pollution Research - CNR	Photocatalytically gold doped nanofibrous layers of titania to detect mercury in air
17:00 - 17:20	Nongnoot Wongkaew	Institute of Analytical Chemistry, Chemo- and Biosensors, University of Regensburg	Nanofibers for High Performance Electrochemical Microfluidic Sensors

Tuesday, September 1, 2015

Hall Nr.1	Micro and Nanofibers and Other Nanomaterials in Products - Energy		
9:00 - 9:30	KEYNOTE SPEAKER Ladislav Mareš	Nafigate Corporation	Commercialization of breakthrough technologies - exciting path from ideas to successful business
9:30 - 9:50	Xiangwen Liu	Redbud Innovation Institute	Preparation of water-soluble polymer nanofibers by electrospinning and its application in lithium battery membrane
9:50 - 10:10	Ali Kilic	Istanbul Technical University	Piezoelectric Properties of Screen Printed PVDF Nanofibrous Membranes
10:10 - 10:30	Juns Seo Park	Hankyong National University	Applications of Electrospun Nanofibers in the Electrode and Separator of Lithium Ion Batteries
10:30 - 10:50	Ramazan Simsek	Marmara University	A Facile Way for Energy Harvesting: PVDF Nanofiber Mat with Carbon Electrodes.
10:50 - 11:10	Break and Poster Session		
11:10 - 11:30	Wallace Woon-Fong Leung	The Hong Kong Polytechnic University	Enhanced photocatalytic activity of electrospun TiO ₂ /ZnO nanofibers
Micro and Nanofibers and Other Nanomaterials in Products - Medical and Biotechnology			
11:30 - 11:50	Christian Grasl	Center for Medical Physics & Biomedical Engineering, Medical Univ. Vienna, Austria	Small diameter vascular grafts with defined fiber orientations
11:50 - 12:10	Laura Frazier	SNS Nano Fiber Technology, LLC	Nanofibers for Advanced Medical Applications
12:10 - 12:30	Chien Chung C Chen	Grad Inst Biomedical Materials& Tissue Engineering, Taipei Medical University	Electrospun nano-porous microtube array membrane (MTAM) and their medical applications
12:30 - 12:50	Tomas Lederer	Technical University of Liberec	Nanofibre biomass carrier for the moving bed biofilm reactor (MBBR)
12:50 - 13:50	Lunch on site		
13:50 - 14:10	Ali Kilic	Istanbul Technical University	Smoke Tree Extract Containing Composite Nanofiber Webs for Wound Dressing
14:10 - 14:30	Annemarie Schoenfeld	University of Bern, Institute of Applied Physics	Electrospinning of a combined chromophore and protein patch to improve laser tissue soldering

Micro and Nanofibers and Related Materials			
14:30 - 15:00	KEYNOTE SPEAKER Masaya Kotaki	Kaneka US Material Research Center, Kaneka Americas Holding, Inc.	Functionalization of Polymer Nanofibers by Nanoparticle Manipulation
15:00-15:30	KEYNOTE SPEAKER Rajender S. Varma	U.S. Environmental Protection Agency, Cincinnati, Ohio, USA	Sustainable Pathways to Nanomaterials and their Applications
15:30 - 15:50 Break and Poster Session			
15:50 - 16:10	Menglin Chen	Aarhus University	Ultraporous interweaving electrospun fibers from PCL-PEO binary blends and their cellular responses
16:10 - 16:30	Wallace Woon-Fong Leung	The Hong Kong Polytechnic University	Experimental Investigation on Continuous Filtration of Sub-Micron Aerosol by Filter Composed of Dual-Layers Including a Nanofiber
16:30 - 16:50	Melissa A. Pasquinelli et al.	North Carolina State University, Raleigh, NC, USA	Molecular design of shape memory polymer fibers that are thermally responsive
16:50 - 17:10	Maryam Yousefzadeh	Textile Engineering Department, Amirkabir University of Technology	Effect of electrospun ceramic TiO ₂ nanofibers morphologies on photocatalysis activity of membrane

Hall Nr.2			
12:50 - 13:50 Lunch on site			
Micro and Nanofiber Technology and Trends - Production Processes			
13:50 - 14:20	KEYNOTE SPEAKER Alexander L. Yarin	Department of Mechanical and Industrial Engineering, University of Illinois at Chicago	Electrospinning and Solution Blowing of Bio-Polymer Nanofibers and Their Applications for Plant Protection
14:20 - 14:40	Ce Wang	Alan G. MacDiarmid Institute	Development and future of electrospinning technique in China
14:40 - 15:00	Ali Kilic	Istanbul Technical University	Optimization of Centrifugal Spinning Parameters for Producing PVA Nanofibers
15:00 - 15:20	Darina Jasikova	Technical university of Liberec	A visualization of rising fibers from wire technology process
15:20 - 15:50 Break and Poster Session			
15:50 - 16:10	Suwan Jayasinghe	UCL	BIOSPRAY APPROACHES FOR REGENERATIVE BIOLOGY/MEDICINE AND THERAPUTICS
16:10 - 16:30	Aleš Gardián	ELMARCO s.r.o.	Electrospinning of polymers applicable in liquid filtration and their comparison

Hall Nr.3 COST workshop			
9:00 - 9:20	You-Lo Hsieh	University of California, Davis	Functional hybrids from biopolymers, nanocellulose and nanochitin/nanochitosan
9:20 - 9:40	Paul D Topham	Aston University	Self-Assembly Driven Electrospinning: The Transition from Fibers to Intact Beaded Morphologies
9:40 - 10:00	Stella Georgiadou	Loughborough University	Porous electrospun fibres by phase separation in a single step
10:00 - 10:20	Seema Agarwal	University of Bayreuth	Nanofibers with bicomponent morphology
10:20 - 10:40	Tamer Uyar	Bilkent University, UNAM-Institute of Materials Science & Nanotechnology	Core-shell nanofibers and hollow nanofibers: Combination of Electrospinning and Atomic Layer Deposition (ALD)
10:40 - 11:10 Break and Poster Session			
11:10 - 11:30	Amitav Sanyal	Bogazici University	Design and Synthesis of Reactive Nanofibers for Biomolecular Immobilization
11:30 - 11:50	Christian Adlhart	Zurich Institute of Applied Sciences, ZHAW	Encapsulation and controlled release of bacteriophages for food protection using electrospun nanofibers
11:50 - 12:10	Gözde Kabay	TOBB University of Economics and Technology	Performance of Enzyme Immobilisation Methods on Bio-inspired Albumin Scaffolds
12:10 - 12:30	Raffaella Casasola	Loughborough University, UK	Biodegradable Core/Shell (PVA/PLA) Nanofibres as Drug Delivery Carrier
12:30 - 12:50	Gökçe Yazgan	EMPA St Gallen	Hierarchically nanostructured electrospun fibers for drug release and tissue engineering
12:50 - 13:50 Lunch on site			
13:50 - 14:10	Hilal Turkoglu Sasmazel	Ahi Evran University, Department of Metallurgical and Materials Engineering, Faculty of Engineering, 46100, Ahi Evran, TURKEY	ELECTROSPUN HYBRID POLYMERIC MATERIALS FOR TISSUE ENGINEERING APPLICATIONS
14:10 - 14:30	Edwin Jager	Linköping University	Electroactive Electrospun Materials for Tissue Engineering
14:30 - 14:50	Anne Hébraud	ICPEES Université de Strasbourg-CNRS UMR 7515	2D and 3D structured nanofibrous scaffolds by electrospinning/electrospraying for tissue engineering
14:50 - 15:10	Ozan Karaman	Izmir Katip Celebi Univ	Fabrication of 3D mineralized nanofibers based microtubes for bone tissue engineering
15:10 - 15:30	Mohsen Miraftab	University of Bolton	Development of small (<6mm) helical vascular grafts via electrospinning
15:30 - 15:50 Break and Poster Session			
15:50 - 16:10	Karen De Clerck	Ghent University	Interlaminar toughening of fibre reinforced epoxy laminates by electrospun nanofibres
16:10 - 16:30	Yelda Ertas	National Nanotechnology Research Center-UNAM	Electrospinning of High Temperature Stable and Solvent-Resistive Thermoset Nanofibers based on Polybenzoxazines
16:30 - 16:50	Kaido Siimon	Institute of Physics, University of Tartu, Estonia	Mechanical characterization of electrospun gelatin fibres

Wednesday, September 2, 2015

Hall Nr.1	Micro and Nanofibers and Related Materials		
9:00 - 9:30	KEYNOTE SPEAKER Andreas Greiner	University of Bayreuth	Short electrospun fibers – a new chance for electrospinning
9:30 - 9:50	Chien Chung Chen	Grad Inst Biomedical Materials& Tissue Engineering	Yeast encapsulated electrospun Nano-porous poly(L-lactic acid) (PLLA) microtube array membranes (MTAMs) for bioconversion of etha
9:50 - 10:10	Richard J. Spontak	Chemical & Biomolecular Engineering and Materials Science & Engineering North Carolina State University	Strategies for Surface- and Bulk-Functionalized Electrospun Nano/Microfibers
10:10 - 10:30	Ali Kilic	Istanbul Technical University	Silver doped carbon nanofibers from lignin-cellulose diacetate blends
10:30 - 10:50	Bertan Beylergil	Izmir Institute of Technology	Toughening of carbon fiber reinforced composites by PVA nanofiber interlayers
10:50 - 12:00	Lunch on site		