

DAY 2 | 08 JUNE 2022

9:30-9:40

Short welcome speech by Professor Katarzyna Grabowska, Conference Chair, Poland

9:40-10:10

Keynote Speaker: Professor Rimvydas Milašius, Kaunas University of Technology, Lithuania

10:10-10:40

Keynote Speaker: Professor Satoko Okubayashi, Kyoto Institute of Technology, Japan

10:40-10:50

CONFERENCE ANNOUNCEMENTS

10:50-11:00

BREAK

ROOM	1	2	3	4	5
PANEL	Advanced, smart, protective and innovative fibres, materials and functional textiles	Textile testing, measuring technology, modelling and simulation	Nanotechnology and biotechnology in textiles (including implants and medical textiles)	Surface functionalization, chemical finishing, coating, surfaces and textile processing	Fashion, design, clothing, garment industry, ecology of textiles and textile economy
11:00-11:15	Sensing properties and characteristics of the elastic sensing webbing. Shi Yanan, China	Melt spinning of polyethylene composite fibers containing disentangled ultra-high molecular weight polyethylene. Xiang Yan, China	Tunable silica nanofibrous structures in view of resolving challenging purification and separation obstacles. Eva Loccufier, Belgium	Halochromic properties of a 5-aminoimidazole-4-carboxamidrazone and its application to wool. Ana Isabel Ribeiro, Portugal	
11:15-11:30	Examination of materials for Fused Filament Fabrication (FFF) of stab protectors for personal protective clothing. Dominik Muenks, Germany	Effect of Tensile Strength of Lignocellulosic Himalayan Nettle Fibers by Chemical Treatment. Kumaresan K, India	Development of a plasma activated multifunctional polyester fabric using zinc oxide nanoparticles and citronella oil microcapsules. Behnaz Mehravani, Portugal	Synthesis of mix chitin esters. Anna Bednarowicz, Poland	

11:30-11:45	Comparison of composites containing technical embroidery and woven fabric as reinforcement. Agata Poniecka, Poland	Experimental and Numerical Evaluation of Force Transduced by Interactive Fibre Rubber Composite Structures. Achyuth Ram Annadata, Germany	Evaluation of textile-based electrodes for ECG monitoring in dog. Abreha Bayrau Nigusse, Belgium	The Effect of Flame-retardant Finish on Jute and Jute-Cotton Fabrics. Most Setara Begum, Lithuania	
11:45-12:00	Sustainable and multifunctional natural fiber-based electric wire sheaths for smart textiles. Behnaz Mehravani, Portugal	Research on surface geometry of woven fabrics of different structure. Gabriela Kosiuk, Poland	Sustainable surface modification of textile with Ag-doped TiO ₂ /polysiloxane nanocomposite for antibacterial, UV protection, and flame retardant properties. Mohammad M Rashid, Slovenia	Dyeing of cotton with madder using (bio)mordants: effects on fastness and UV protection properties. Cátia Alves, Portugal	
12:00-12:15	Knitted interdigital capacitive strain sensor for wearable applications. Ayşe Feyza Yılmaz, Turkey	Modelling the eddy current testing process of carbon fibre textiles. Johannes Mersch, Germany	Analysis of pressure parameters in orthopedic footwear for people suffering from diabetic foot syndrome. Melania Mikołajczyk-Solińska, Poland		
12:15-12:30	Textile ballistic shields with embroidered structure. Maciej Gloger, Poland	Comparison of the fineness and mechanical properties of hemp fiber conditioned in two different relative humidity environment. Aurélie Decker, France			

After the end of all presentations in each panel - discussion 30 min

13:00-13:30

BREAK

13:30-13:45		Effects of the Alginate and CaCl ₂ concentrations imparting mechanical and morphological properties of wet spun fibers. Erard Annaëlle, France			
13:45-14:00		Analysis of thermal aging effect on the tensile strength of textile materials intended for the reinforcement of conveyor belt. Tsegaye Sh. Lemmi, Poland			
14:00-14:15		Comparative evaluation effects of thermal degradation, burning behavior, and intumescent char formation of cotton fabrics coated with alkaline and acidic casein solutions Muhammad Sajid Faheem, Czech Republic			
14:15-14:30		Numerical simulation of tensile fracture for HMWPE yarns using virtual fibers. Yu Wang, France			

After the end of all presentations in each panel - discussion 30 min

END OF THE 2nd DAY