

Welcome to the SmartTecStyle conference 2021!

Wednesday - 15.12.2021

Time	Presentation by	Topic	Theme Group			
10:00	Andrea Ehrmann, Thomas Süße	Welcome & Opening				
10:15	Tomasz Blachowicz	Fractal characteristics of textiles	modelling and simulation			
10:30	Lukas Capek	Design, development and feasibility study of a novel concept for modelling of seams in garments				
10:45						
11:00						
11:15	Coffee Break					
11:30	Katrin Freier	Innovation in Fragment Protection – High-Performance Knits made with Dyneema®	protective textiles	Chair: Tomasz Kozior		
11:45	Domink Münks	Development of 3D printed composite elements for better stab protection				
12:00						
12:15						
12:30	Lunch Break					
12:45						
13:00						
13:15	Frank Siegel	Functionalization of technical textiles by means of additive manufacturing processes	3D printing / additive manufacturing	Chair: Lilia Sabantina		
13:30	Anne Markard	3D printing of textiles with focus on underwear				
13:45						
14:00	Coffee Break					
14:15	Nonsikelelu Mpfu	3D printing for antimicrobial textiles using plant waste				
14:30	Tomasz Kozior	Composites produced by 3D printing and electrospinning technologies in filter applications				
14:45	Amine Haj Taieb	3D simulation in fashion industry an alternative for “mass-customisation” trends				
15:00	Tatjana Spahiu	Improvement of footwear production using additive technologies				
15:15	Coffee Break					
15:30						
15:45	Tatjana Spahiu	Footwear products and the role of Industry 4.0 for sustainable production	circular, sustainability	Chair: Tatjana Spahiu		
16:00	Lilia Sabantina	Possible application of a mycelium composite in clothing				
16:15	Fabian Schoden	Sustainability of Smart Textiles and Legislative Change				
16:30	Coffee Break					

Time	Presentation by	Topic	Theme Group	
16:45	Alina Slomkowski	Design for Recycling of E-Textiles - A Circular Approach	circular, sustainability	Chair: Tatjana Spahiu
17:15	Zlatin Zlatev	Automated recognition and sorting of recycled textiles for sustainable fashion		

Thursday - 16.12.2021

Time	Presentation by	Topic	Theme Group	
10:00	Anne Schwarz-Pfeiffer	Filament-Based Resistive Sensors for Smart Textile Applications	electronic textiles	Chair: Marius Dotter
10:15				
10:30	Siqi Jiang	Smart clothing		
10:45	Coffee Break			
11:00	Michael Kieren	Textile circuits		
11:15				
11:30	Hasan Riaz Tahir	A hybrid 3D printed embroidery TENG for energy harvesting		
11:45	Abdella Simegnaw Ahmmed	Connecting Electronic Surface Mounted Devices with Conductive Yarns by Reflow Soldering		
12:00				
12:15	Lunch Break			
12:30				
12:45				
13:00	Manuela Schiek	Roadmap to seamless bioelectronic interfaces including electrospun substrates	Chemistry / biology / medicine	Chair: Lilia Sabantina
13:15				
13:30	Alena Dannehl	Applications of Self-Healing Materials		
13:45	Nimesh Kankariya	Design and development of an air pneumatic compression device for an irregularly-shaped model lower leg		
14:00	Coffee Break			
14:15	Lisa Hinz	Artificial DNA markers on textiles for evidence-led manufacturing chain and textile recycling applications.	Chemistry / biology / medicine	Chair: Lilia Sabantina
14:30	Samira Ziane	Performance and adsorption mechanism of textile dyes with a modified material		
14:45	Toumi Imene	Synthesis and Characterization of Polymer Nanocomposites with Inorganic Filler for Textile Applications		
15:00	Mohammad Mamunur Rashid	Development of Antibacterial and UV-protective TiO ₂ /SiQAC/Ag/textile nanocomposite		
15:15	Coffee Break			
15:30	Ada Traumann	Consumer awareness and perception of innovation: smart garment labels	Perspectives	Chair: Fabian Schoden
15:45	Walter Chipmabwa	Forecasting virtual fashion trends in emerging economies		

Time	Presentation by	Topic	Theme Group	
16:00	Martin Wortmann	Cherry-Picking Micrographs: A Critical Perspective on Scientific Publishing Practice	Perspectives	Chair: Fabian Schoden
16:15				
16:30	Conference Closing			