



Textile Science & Economy 2020.

13th International Scientific-Professional Symposium



VIDEOCONFERENCE



CHINESE-CROATIAN FORUM: Innovation, Design and Digitalization in the Textile and Leather Sector

September 18, 2020
University of Zagreb Faculty of Textile Technology (FTT)

VIRTUAL ROOM A – Invited Lectures


Time (UTC +2)	Agenda	
08:30 - 09:00	Registration for Invited Participant and System Testing	
09:00 - 10:00	<p>Opening the Symposium and Welcome Speeches:</p> <ol style="list-style-type: none"> 1. Dean of the University of Zagreb Faculty of Textile Technology Professor Gordana Pavlović, PhD. 2. President of the Organizing Committee of TSE 2020; Professor Slavenka Petrak, PhD. 3. President of the Committee for Innovation and Technology Transfer, University of Zagreb Professor Tomislav Josip Mlinarić, PhD. 4. Head of the Office for Management and Improvement of Scientific Research Activities at Ministry of Science and Education Hrvoje Meštrić, 5. Founding Member of BASTE – Balkan Society of Textile Engineers Professor Sawvas Vassiliadis, PhD. 6. State Secretary Mario Antonić, Republic of Croatia Ministry of Economy and Sustainable Development 7. Rector of the University of Zagreb Professor Damir Boras, PhD. 	
10:00 – 10:30	Gordana Pavlović, Dean of the FTT - Presentation of the University of Zagreb Faculty of Textile Technology	
Invited Lectures		
10:30 – 11:00	Xungai, WANG	Body Odour and Smell Related Properties of Different Fibres and Fiber Blends
11:00 – 11:30	Henry Yi, LI	Facemasks: Wear or Not Wear - Sciences and Facts
11:30 – 11:50	Krešimir, JURAK	Entering the world's biggest market and working with China, the world's manufacturing superpower of the 21 st century

11:50 – 12:10	Tomislav Josip, MLINARIĆ	Innovation Potential of the University of Zagreb in the function of Economic Development of the Republic of Croatia
12:10 – 12:20	BREAK: Virtual Exhibitions of Students Art Work – 2nd Year of Graduate Studies Textile and Fashion Design, Supervisor: Koraljka Kovač Dugandžić	
12:20 – 12:40	Tomislav, KRIŠTOF	Digital Apocalypse and How to Cope
12:40 – 13:00	Davor, SABOLIĆ	Material Development with Respect to Sustainable Growth
13:00 – 13:20	Neven, MARKOVIĆ	Commercialization of Innovation
13:20 – 13:40	BREAK: Short History of University of Zagreb – promotional video	
13:40 – 14:10	Edit, CSANÁK	131 Days in China: Design & Methods
14:10 – 14:30	Tomislav, PRIBANIĆ	Principles of Active Illumination 3D Reconstruction Systems - Application Examples
14:30 – 14:50	Ghadi, ALI	Innovations and Their Commercialization in Entrepreneurship: Innovation Leads to Entrepreneurship
14:50 – 15:00	BREAK: Calligraphy Virtual Workshop and Guzeng music - Confucius Institute Zagreb	
15:00 – 15:30	Uwe, REISCHL	Changes in Fabric Elasticity in Response to Sterilization with Ozone Gas
15:30 – 15:50	Gordan, SMUĐ	Trends and Challenges in Digitalization of Fashion Industry
15:50 – 16:10	Sead, ARSLANAGIĆ	Recycling of Textile Waste Using The Example Of Feasibility Study For Construction of Plant For Recycling (Tptw -Technological Postindustrial Textile Waste)
16:10 - 16:30	Martinia Ira, GLOGAR	Digital Textile Printing - Innovative Directions for Future Development
16:30 – 16:40	BREAK: PROJECT CHINA – Traditional Chinese Theater and Peking Opera as Inspiration for Theater or Film Costume Design – Costume portfolio of 2nd year graduate students of Costume design, supervisor: Ivana Bakal	
16:40	Closing the Symposium	

VIRTUAL ROOM B

Presentation of Selected Scientific Projects on University of Zagreb Faculty of Textile Technology

Presentation of Croatian Companies from Textile and Leather Sector

Time (UTC +2)	Agenda	
 Selected Scientific Projects on FTE		
10:30 – 10:40	Dubravko, ROGALE	Development and thermal properties of intelligent clothing (IP-2018-01-6363)
10:40 – 10:50	Zenun, SKENDERI	Comfort and antimicrobial properties of textiles and footwear (IP-2016-06-5278)
10:50 – 11:00	Budimir, MIJOVIĆ	Custom Tailored Fibrous Scaffold Prototype for Tissue Cells Culture via Combined Electrospinning (IP-2016-06-6878)

11:10 – 12:10	Presentation of Croatian Companies from Textile and Leather Sector
Čateks d.d.	
Odjeća d.o.o.	
Tekstilpromet d.d.	
LECTRA DEUTSCHLAND GMBH	
VARTEKS d. d.	
Zlatna igla – Siscia d.o.o.	
MOIRA d.o.o.	
GRAFKO-CASPAR d.o.o.	
Miret d.o.o.	
VIVIANI d.o.o.	
GALKO d.o.o.	
12:10 – 13:00	Presentation TTF Alumni - Successful Young Entrepreneurs
ANIMA M, by Mirna Posavčević	
Matija Čop fashion studio, London, UK	
Staša design, by Staša Doblanović Rendel, London, UK	
Yelena H., by Jelena Holec	
Adriana Rajčić Design	
Katarina Mamić Design	
Schapé, Lejla Dizdarević Brković	
Irena Vucinic Jewelry	
DuoD Design, Dijana Zagorac	
13:00 – 13:15	<p>Virtual Exhibition of Students Art Work – 2nd year of undergraduate studies Textile and Fashion Design, Supervisor: Helena Schultheis Edgeler</p> <p>Movie Presentations of Graduate Papers and Fashion Collections – University of Zagreb Faculty of Textile Technology</p>

VIRTUAL ROOM C

Presentation of Doctoral Study Textile Science and Technology, University of Zagreb Faculty of Textile Technology

Presentations of Scientific Research of Ph D Students

Time (UTC +2)	Doctoral Study Textile Science and Technology, University Zagreb Faculty of Textile Technology	
12.30 - 12:40	Movie about Doctoral Study Textile Science and Technology, University of Zagreb, FTT	
12:40 - 12:50	Opening the PhD section - Welcome Speech	
Time (UTC +2)	Ph. D. Students - University of Zagreb Faculty of Textile Technology	
B_Novel Materials: Biomaterials, Nanomaterials And Smart Materials		
12:50 - 13:00	Zorana, KOVACEVIĆ; Sandra, BISCHOF & Mizi, FAN	Nanobiocomposites Reinforced with Spanish Broom (Spartium Junceum L.) Fibres
13.00 – 13:10	Lela, MARTINAGA; Sara, ČAČKO; Stella, HAMILTON; Ana, VRSALović PRESEČKI & Iva, REZIĆ	Environmentally Acceptable Synthesis of Nanoparticles for Their Potential Use as Textile Coatings
K_Anthropometric body measurements – modern measurement systems and applications		
13:10 – 13:20	David, BOJANIĆ; Kristijan, BARTOL; Tomislav, PETKOVIĆ & Tomislav, PRIBANIĆ	A Review of Rigid 3D Registration Methods (University of Zagreb Faculty of Electrical Engineering and Computing)
13.20 – 13:30	Maja, MAHNIĆ NAGLIĆ & Slavenka, PETRAK	Development of a Female Body Types Classification Method
13:30 – 13:40	Marija, NAKIĆ & Slavica, BOGOVIĆ	Designing of Functional Garment Item for People with Disabilities
H_Thermophysiological properties and comfort of textiles, clothing and footwear		
13.40 – 13:50	Nikolina, JUKL; Snjezana, FIRŠT ROGALE & Dubravko ROGALE	Thermal Properties of The Protective Vest Tested on a Thermal Manikin in Static Mode
13:50 – 14:00	BREAK: Lacemaking in Croatia – cultural heritage promotional movie	
E_Medical and protective textiles, clothing and footwear		
14.00 – 14:10	Franka, ŽUVELA BOŠNJAK; Sandra, FLINČEC GRGAC & Suzana, MIHANOVIĆ	Application of Microscale Combustion Calorimeter to Characterize Protective Properties of Bovine Leather
G_Analysis and methods of measurement in textiles, clothing and footwear		
14:10 – 14:20	Katja, GRGIĆ & Tanja, PUŠIĆ	Adsorption of Cetylpyridinium Chloride on Standard Polyester Fabric in The Electrokinetic Analyzer
14:20 – 14:30	Rajna, MALINAR & Sandra, FLINČEC GRGAC	Textile Dust Generation from Cotton and Cotton/Polyester Blend Fabrics
14:30 – 14:40	Kristina, ŠIMIĆ; Ivo, SOLJACIĆ & Tihana, PETROVIĆ LEŠ	Analysis of Metal Threads in The Historical Croatian Textile from 17th to 20th Century
14:40 – 14:50	Mateo Miguel, KODRIĆ KESOVIA & Željko, PENAVA	Applying Image Analysis for Measuring The Density of Historical Textiles
F_Advanced Processes Of Finishing, Care, Dyeing And Printing Of Textiles And Leather		

14:50 – 15:00	Ksenija, VIŠIĆ & Tanja, PUŠIĆ	The Influence Physico-Chemical Properties of Anti-Redeposition Agents on The Zeta Potential of Washed Cotton Fabrics
15:00 – 15:10	BREAK: Movie presentation of University of Lodz	
Time (UTC +2)	Ph. D. Students - Technical University of Lodz, Faculty of Material Technologies and Textile Design	
F_Advanced Processes Of Finishing, Care, Dyeing And Printing Of Textiles And Leather		
15:10 – 15:20	Anna, BEDNAROWICZ & Zbigniew, DRACZYŃSKI	Modification of Cotton Fabric with Cross-Linked and Grafted Gelatine
15:20 – 15:30	Nina, TARZYŃSKA & Zbigniew, DRACZYŃSKI	Impact of The Aging Process on Sodium Alginate Solutions With The Addition of Low Molecular Weight Ionic Compounds
15:30 – 15:40	Dominik, SIKORSKI & Zbigniew, DRACZYŃSKI	Assessment of The Degree of Attachment of Acid Groups to Chitosan Fibers
15:40 – 15:50	Session closing	