

The 8th International Symposium Technical Textiles - Present and Future

Iași, Romania, 23 November 2023

Online



General PROGRAM

EET time zone

10:00 -10:30	TTPF 2023 OPENING CEREMONY (1st link)		
	<i>Rodica HARPA, Symposium Chair, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
	<i>Carmen-Maria LOGHIN, Vice-Rector Scientific Research, Development and Innovation, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
	<i>Savin-Dorin IONESI, Dean of the Faculty of Industrial Design and Business Management, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
	<i>Ilda KAZANI, President of BASTE, Polytechnic University of Tirana, ALBANIA</i>		
10:30 - 12:00	PLENARY SESSION I - Keynote Lectures (1st link) <i>Chair: Mirela BLAGA, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
10:30 -11:00	Vincent NIERSTRASZ, University of Borås, SWEDEN RESOURCE EFFECTIVE PROCESSES FOR FUNCTIONAL AND SMART TEXTILES		
11:00-11:30	Ada FERRI, Politecnico di Torino, ITALY ASSESSMENT OF HEAT AND MOISTURE MANAGEMENT OF SPORTSWEAR THROUGH IN-VIVO TESTING		
11:30 -12:00	Radek SOUKUP, University of West Bohemia, CZECH REPUBLIC TEXTILE-BASED TEMPERATURE AND HUMIDITY SENSORS FOR TECHNICAL TEXTILES APPLICATIONS		
12:00 -12:15	COFFEE BREAK		
12:15 -13:30	PARALLEL SESSIONS		
	SESSION 1.1. (1st link)	SESSION 2.1. (2nd link)	SESSION 3.1. (3rd link)
	<i>Chair: Andreja RUDOLF</i> <i>University of Maribor, SLOVENIA</i>	<i>Chair: Alison GAULT</i> <i>Ulster University, NORTHERN IRELAND</i>	<i>Chair: Manuela AVĂDANEI</i> <i>Gheorghe Asachi Technical University of Iasi, ROMANIA</i>
	Technical Textiles for Clothtech and Hometech Applications Technical Textiles for Oekotech and Packtech Applications	Functional and Smart Textiles for Meditech, Protech and Sportech Applications	Technical Textiles and Sustainability
12:15-12:30	TOPOLOGY BASED 3D MODELLING OF TEXTILES WITH MACHINE EMBROIDERY STITCHES <i>Yordan KYOSEV, Cindy ELSCHNER, Lars BITTRICH, Pawan Nimesh PATEL</i>	EXPERIMENTAL STUDY ON THE INFLUENCE OF AIR GAP ON HEAT TRANSFER THROUGH MULTILAYER TEXTILE CLOTHING <i>Elena CODĂU, Teodor-Cezar CODAU</i>	TEXTILE FIBERS IN 3D PRINTING <i>Constantin Eugen AILENEI, Carmen TIȚĂ, Maria Carmen LOGHIN</i>
12:30-12:45	COMPARISON OF TOWELS PRODUCED WITH SUSTAINABLE FIBRES IN TERMS OF WATER ABSORPTION AND FAST DRYING PROPERTIES <i>Burhan CENGİZALP, Esra GÖRSE, Kubilay SAZAK, Güngör DURUR</i>	INVESTIGATION OF THE EFFECTS OF POLYMER TYPE AND FIBER ORIENTATION ON BURST STRENGTH OF THE TUBULAR SCAFFOLDS BY MULTILEVEL FULL FACTORIAL DESIGN <i>Janset OZTEMUR, Suzan OZDEMIR, Hande SEZGIN, Ipek YALCIN-ENIS"</i>	SUSTAINABLE CONSUMER BEHAVIOUR AND THE FASHION FOOTPRINT OF CHILDREN'S CLOTHING: A ROLE FOR MOTHERS <i>Rodica HARPA, Cristina PIROI, Irina CRISTIAN, Corina ASĂVOAEI</i>

12:45-13:00	<p>LASER TECHNOLOGY IN DENIM: THE CASE OF MAVI PRO EDITION</p> <p><u>Ozgur CEYLAN</u>, <u>Emel AYDIN</u>, <u>Nesligül KILIÇ</u>, <u>Irmak TAŞ</u>, <u>Cihan YILDIRIM</u>, <u>Kaan ÜNAL</u>, <u>Neslihan AK</u>, <u>Özgen ÖZTURHAN</u></p>	<p>FOOTWEAR USED TO IMPROVE THE QUALITY OF LIFE FOR DIABETIC PATIENTS</p> <p><u>Adriana CHIRILĂ</u>, <u>Mariana COSTEA</u>, <u>Aura MIHAI</u>, <u>Arina SEUL</u></p>	<p>EFFECT OF MANUFACTURING TECHNOLOGY ON THE PROPERTIES OF RECYCLED NONWOVENS AND COMPOSITES MADE THEREWITH</p> <p><u>Mariana ICHIM</u>, <u>Ioan FILIP</u>, <u>Emil Ioan MURESAN</u>, <u>Elena CODĂU</u></p>
13:00-13:15	<p>RESEARCH ON THE CREATION OF SPATIAL FORMS USING THE MOLDING TECHNIQUE</p> <p><u>Elena FLOREA-BURDUJA</u>, <u>Aliona RARU</u>, <u>Valentina FRUNZE</u>, <u>Marcela IROVAN</u></p>	<p>THE IMPACT OF TECHNICAL EMBROIDERY ON THE TEXTILE INDUSTRY: REVIEW AND PERSPECTIVES ON SMART TEXTILES</p> <p><u>Andreea Madalina TALPĂ</u>, <u>Carmen Maria LOGHIN</u>, <u>Alice Elena MĂTĂŞEL</u></p>	<p>CARBON FOOTPRINT OF RECYCLED RAW MATERIALS FROM TEXTILE WASTE IN A NEW PRODUCT LIFE CYCLE</p> <p><u>Alexandra BODOGA</u>, <u>Eugen Constantin AILENEI</u>, <u>Andreea NISTORAC</u>, <u>Maria-Carmen LOGHIN</u></p>
13:15-13:30	<p>EFFECT OF MELT FLOW RATE ON MORPHOLOGICAL AND CHEMICAL CHARACTERISTICS OF POLYLACTIDE BASED SOLUTION CASTING AND NANOFIBROUS FILMS</p> <p><u>Handan PALAK</u>, <u>Burçak KARAGÜZEL</u>, <u>KAYAOĞLU</u></p>	<p>DESIGN OF KNITTED FABRICS FOR ANTI-VIBRATION GLOVE LINERS</p> <p><u>Mirela BLAGA</u>, <u>Cristina GROSU</u>, <u>Neculai-Eugen SEGHEDEIN</u>, <u>Ana Ramona CIOBANU</u>, <u>Arzu MARMARALI</u></p>	<p>EMBRACING 3D PRINTING AND MODELLING FOR A SUSTAINABLE FUTURE IN FASHION</p> <p><u>Diana-Roxana VIZITEU</u>, <u>Antonela CURTEZA</u></p>
13:30 -14:00	LUNCH		
14:00 - 15:00	<p align="center">PLENARY SESSION II - Keynote Lectures (1st link)</p> <p align="center">Chair: Anne-Marie GRUNDMEIER, <i>University of Education Freiburg, GERMANY</i></p>		
14:00 -14:30	<p>Abhijit MAJUMDAR, <i>Indian Institute of Technology, Delhi, INDIA</i></p> <p>SOFT BODY ARMOUR: MATERIALS AND TECHNOLOGY</p>		
14:30-15:00	<p>Izabela Luiza CIESIELSKA-WROBEL, <i>University of Rhode Island, College of Business, USA</i></p> <p>FROM SURFACE TO SENSE: MERGING 3D PRINTING TECHNOLOGY WITH TACTILE CLOTHING INSIGHTS FOR THE VISUALLY IMPAIRED</p>		
15:00-15:15	COFFEE BREAK		
15:15-16:30	PARALLEL SESSIONS		
	<p>SESSION 1.2. (1st link)</p> <p>Chair: Benny MALENGIER</p> <p><i>Ghent University, BELGIUM</i></p> <p>Technical Textiles for Indutech and Mobiltech Applications Technical Textiles and Sustainability</p>	<p>SESSION 2.2. (2nd link)</p> <p>Chair: António DINIS MARQUES</p> <p><i>University of Minho, PORTUGAL</i></p> <p>Textile Education and Training for the Technical Textiles Field</p>	<p>SESSION 3.2. (3rd link)</p> <p>Chair: Larisa IVAŞCU</p> <p><i>Politehnica University Timisoara, ROMANIA</i></p> <p>Technical Textiles and Sustainability Management and Entrepreneurship</p>
15:15-15:30	<p>EXPLORING SUSTAINABLE FIBRES FROM CREATION TO APPLICATION IN THE ULSTER UNIVERSITY BELFAST CAMPUS TEXTILE ROOF GARDEN</p> <p><u>Alison Elisabeth GAULT</u></p>	<p>HACKTEX VIRTUAL TRAINING MATERIALS FOR SMART TEXTILES</p> <p><u>Luminita CIOBANU</u>, <u>Elena-Lidia ALEXA</u>, <u>Savin Dorin IONESI</u></p>	<p>REORIENTING THE ROLE OF TEACHERS AND TEACHING ACTIVITY DURING THE COVID-19 PANDEMIC PERIOD. A CASE STUDY ON AN AGRICULTURAL TECHNOLOGICAL HIGH SCHOOL FROM ROMANIA</p> <p><u>Ana Maria DUMITRESCU</u>, <u>Silvia AVASILCĂI</u>, <u>Bogdan RUSU</u>, <u>Adriana BUJOR</u>, <u>Florentina BÎRLĂDEANU</u></p>
15:30-15:45	<p>EFFECT OF VOLTAGE ON PAN-BASED CARBON NANOFIBERS PROPERTIES DURING ELECTROSPINNING</p> <p><u>Ayşe BOSTANCI YORUK</u>, <u>Yakup AYKUT</u>, <u>Recep EREN</u>, <u>Yahya OZ</u></p>	<p>DIGITAL FASHION – A MUST IN OUR DAYS</p> <p><u>Irina IONESCU</u>, <u>Emil Constantin LOGHIN</u>, <u>Manuela Lacramioara AVĂDANEI</u>, <u>Andreea TALPĂ</u>, <u>Ion Razvan RADULESCU</u></p>	<p>CHALLENGES OF SUSTAINABILITY ASSESMENT IN THE MANUFACTURING INDUSTRY</p> <p><u>Laura Crina MIRĂUTE (COCA)</u>, <u>Marius PÎSLARU</u></p>

15:45-16:00	ONE-PIECE WEAVING OF A DOUBLE-WALLED TUBULAR 3D-FABRIC WITH TWO CONNECTING ELEMENTS <i>Cristina PIROJ, Rodica HARPA, Irina CRISTIAN</i>	ENVIRONMENTAL INITIATIVES THROUGH GENDER-BASED TRAINING <i>Manuela Lăcrămioara AVĂDANEI, Irina IONESCU, Andreea TALPA, Antonela CURTEZA, Mirela BLAGA, Ingrid BUCISCANU</i>	GRAPHICAL METHOD FOR OPTIMIZING THE MACHINERY LAYOUT <i>Cristina RACU</i>
16:00-16:15	EFFECT OF ADDITIONAL APPLIED VOLTAGE AND LASER BEAM POWER ON ELECTROSPUN NANOFIBERS <i>Iuliana Gabriela LUPU, Oana Teodora CRAMARIUC, Andreea GROZA, Mihai SERBANESCU, Marius Razvan ZVONARU, Bogdan BITA, Liliana HRISTIAN</i>	THE IMPORTANCE OF TEXTILE MATERIALS DATABASE <i>Irina IONESCU, Emil Constantin LOGHIN, Manuela Lăcrămioara AVĂDANEI, Andreea TALPĂ, Victoria BOCANCEA</i>	LEAN SIX SIGMA AND SUSTAINABILITY IN TEXTILE INDUSTRY - LITERATURE REVIEW <i>Marius PÎSLARU, Nicoleta-Mihaela CĂSĂNEANU (DASCĂLU)</i>
16:15-16:30	ELECTROSPUN NANOFIBERS IN THERMOELECTRIC ENERGY HARVESTERS: A REVIEW <i>Elena CODĂU, Teodor-Cezar CODAU, Mariana ICHIM</i>	USE OF MICROLEARNING AND MICROCREDENTIALS IN TEXTILE ENGINEERING EDUCATION <i>Adrian BUHU, Liliana BUHU, Daniela NEGRU</i>	FAST FASHION VS SUSTAINABLE FASHION – A PERSPECTIVE FROM CONSUMERS IN SPAIN AND ROMANIA <i>Andreea APETREI KALVERAM, Elena-Mădălina DEACONU, Marius CONSTANTIN</i>
16:30-16:45	COFFEE BREAK		
16:45-18:00	PARALLEL SESSIONS		
	SESSION 1.3. (1st link)	SESSION 2.3. (2nd link)	
	Chair: Irina CRISTIAN <i>Gheorghe Asachi Technical University of Iasi, ROMANIA</i> Technical Textiles and Sustainability Textile Education and Training for the Technical Textiles Field	Chair: Andreea APETREI KALVERAM <i>Catholic University of Valencia, SPAIN</i> Management and Entrepreneurship	
16:45-17:00	SECOND LIFE OF A TEXTILE MULTI-COMPONENT WASTE – REVIEW <i>Pavla TĚŠINOVÁ, Jana DRAŠAROVÁ</i>	LABOR FLEXIBILITY: A FRAMEWORK OF ANALYSIS <i>Florentina EFTINCA, Silvia AVASILCĂI, Adriana BUJOR, Ana Maria DOBRANICI</i>	
17:00-17:15	SUSTAINABLE HORIZONS: EXPLORING TECHNICAL TEXTILES AND ENVIRONMENTAL RESPONSIBILITY <i>Andreea NISTORAC, Alexandra BODOGA, Eugen Constantin AILENEI, Maria-Carmen LOGHIN</i>	CONNECTED FACTORY: DIGITAL SOLUTIONS FOR SMART PRODUCTION. CASE STUDY - BRAICONF 4.0 <i>Ciprian - Sorin VLAD, Iulia Ioana MIRCEA, Larisa IVAȘCU, Eugen ROȘCA</i>	
17:15-17:30	FORECASTING THE MECHANICAL BEHAVIOUR OF SUCROSECELLULOSIC STRUCTURES FOR TAILORING FLEXIBILITY THROUGH MOLECULAR DYNAMICS SIMULATIONS <i>Claudia UDRESCU, Carmen Maria LOGHIN, Andrea ARSICCIO, Roberto PISANO</i>	EVALUATION OF STUDENTS' ATTITUDE TOWARDS SLOW FASHION AND FAST FASHION IN THE CONTEXT OF ENVIRONMENTAL SUSTAINABILITY <i>Delia ROZOVLEAN, Larisa IVAȘCU, Timea CISMA, Florin BOGDEA, Andrei AGACHE</i>	
17:30-17:45	CONSIDERATIONS REGARDING THE INFLUENCE OF MATERIAL PROPERTIES ON THE GEOMETRY OF THE GARMENTS PATTERNS <i>Manuela Lăcrămioara AVĂDANEI, Ana-Diana VATRA, Mălina ROȘCA, Mihail GANEA</i>	STATISTICAL RESEARCH IN HUMAN RESOURCE MANAGEMENT IN PUBLIC INSTITUTIONS <i>Adrian VÎLCU, Gabriel-Dumitru TEODORESCU, Ionuț-Viorel HERGHILIGIU, Mariana COJOCARU, Raluca LĂZĂRESCU</i>	

17:45-18:00	TRAINING GUIDE FOR DESIGNING 3D KNITWEAR FOR TECHNICAL PRODUCTS <i>Ana Ramona CIOBANU, Mirela BLAGA</i>	THE IMPACT OF THE STRUCTURE AND DYNAMICS OF RESOURCES ON FINANCIAL PERFORMANCE <i>Mihaela Brindusa TUDOSE, Elena Alina SĂVUC</i>	
18:00	TTPF 2023 CLOSING CEREMONY (1st link)		