

The 9th International Symposium Technical Textiles - Present and Future

Iași, Romania, 20 November 2025
Online



GENERAL PROGRAM

20 November, Eastern European Time (EET time zone)

10:00 -10:30	TTPF 2025 OPENING CEREMONY (1st link)		
	Rodica HARPA , <i>Symposium Chair, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
	Savin-Dorin IONESI , <i>Dean of the Faculty of Industrial Design and Business Management, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
	Luminița CIOBANU , <i>Coordinator of Centre for Research and Innovation in Textiles and Fashion Industry - SMART-Tex-IS, Faculty of Industrial Design and Business Management, Gheorghe Asachi Technical University of Iasi, ROMANIA</i>		
	Special guests		
	Vincent NIERSTRASZ , <i>President of Association of Universities for Textiles - AUTEX, University of Borås, SWEDEN</i>		
	Andrej DEMŠAR , <i>President of Balkan Society of Textile Engineers - BASTE, University of Ljubljana, SLOVENIA</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	Ayoub NADI , <i>École Supérieure des Industries du Textile et de l'Habillement, Casablanca, MOROCCO</i> THE TEXTILE INDUSTRY IN MOROCCO: CHALLENGES AND PROSPECTS		
11:00-11:30	Juris BLŪMS , <i>Riga Technical University, LATVIA</i> KEY COMPONENTS OF ENERGY-INDEPENDENT WEARABLES: HUMAN BODY ENERGY HARVESTERS AND SELF-POWERED SENSORS		
11:30 -12:00	António DINIS MARQUES , <i>University of Minho, PORTUGAL</i> HOMO SUSTENTABILIS: DISPOSAL OF FASHION PRODUCTS AND CIRCULAR ECONOMY		
12:00 -12:15	COFFEE BREAK		
12:15 -13:30	PARALLEL SESSIONS (1st link , 2nd link , 3rd link)		
	SESSION 1.1. (1st link)	SESSION 2.1. (2nd link)	SESSION 3.1. (3rd link)
	Chair: Alison GAULT <i>Ulster University, NORTHERN IRELAND</i> Technical Textiles and Sustainability	Chair: Manuela AVĂDANEI <i>Gheorghe Asachi Technical University of Iasi, ROMANIA</i> Functional and Smart Textiles for Meditech, Protech and Sportech Applications	Chair: Mariana COSTEA <i>Gheorghe Asachi Technical University of Iasi, ROMANIA</i> Technical Textiles for Clothtech and Hometech Applications
12:15-12:30	PROCESS OPTIMIZATION IN WOVEN FABRICS: STEP REDUCTION STRATEGIES	DRUG-ELUTING PCL-BASED ELECTROSPUN VASCULAR GRAFTS: ADVANCES IN PREVENTING INTIMAL HYPERPLASIA AND THROMBOSIS	ANALYSIS OF THE THERMAL AND PROCESSING BEHAVIOR OF PLA AS A PET SUBSTITUTE IN TEXTILE MANUFACTURING – A STATE-OF-THE-ART REVIEW

	<i>Aliye AKARSU ÖZENC, Zeynep ATLAS, Semih EREN</i>	<i>Suzan OZDEMIR, Janset OZTEMUR-SEZGIN, Hande SEZGIN, Ipek YALCIN-ENIS</i>	<i>Madeleine EPPINGER, Yordan KYOSEV, Martin LUCCARELLI</i>
12:30-12:45	FROM WASTE FIBERS TO FUNCTIONALITY: WOOL-DERIVED MELANIN FOR ADVANCED TECHNICAL TEXTILES <i>Romeo PRUNEANU, Melinda PRUNEANU, Ingrid-Ioana BUCIȘCANU, Vasilica POPESCU</i>	ANTITHROMBOTIC DRUG-INTEGRATED ELECTROSPUN PCL VASCULAR GRAFTS FOR SMALL-CALIBER VESSELS: A MINI-REVIEW <i>Janset OZTEMUR-SEZGIN, Suzan OZDEMİR, Hande SEZGIN, Ipek YALCIN-ENIS</i>	THE WORKWEAR AESTHETIC IN MENSWEAR: SHAPING COORDINATED SETS FOR FUNCTION AND STYLE <i>Özgür CEYLAN, Neslişüle KILIÇ, Emel AYDIN, Irmak TAŞ, Karin ZENCEFİL, Tanya CANKAR</i>
12:45-13:00	EMBROIDERED STRUCTURES IN TECHNICAL TEXTILES <i>Andreea Madalina TALPĂ, Carmen LOGHIN, Irina IONESCU</i>	PROPERTIES OF STAINLESS STEEL/COTTON BLENDED ROTOR SPUN YARNS FOR ANTISTATIC APPLICATIONS <i>Mariana ICHIM, Irina ARNĂUTU, Doina CAŞCAVAL, Simona BĂCAIȚĂ, Marius Răzvan ZVONARU</i>	ANALYSIS OF FABRIC SURFACE TEXTURE BASED ON 3D CONTACTLESS MEASUREMENT <i>Małgorzata MATUSIAK</i>
13:00-13:15	CLOSING THE LOOP: DESIGN-DRIVEN STRATEGIES FOR TACKLING TEXTILE FABRIC WASTE <i>Irina-Elena MARIN, Manuela-Lăcrămioara AVĂDANEI, Elena-Andreea VASILE, Mălina-Ioana ROŞCA</i>	DYNAMIC DIGITAL PROTOTYPING IN GARMENT FUNCTIONALITY: USING CLO3D AVATAR JOINTS FOR INCLUSIVE PATTERN DESIGN <i>Valentina FRUNZE, Elena FLOREA-BURDUJA, Daniela FĂRÎMĂ</i>	TENSILE PROPERTIES OF SILK BLEND KNITTED FABRICS <i>Živa ZUPIN, Sabina GABROVŠEK</i>
13:15-13:30	GREEN CHEMISTRY APPROACHES TO TEXTILE DYEING USING PLANT WASTE EXTRACTS <i>Iuliana PETCU, Nicoleta TOFĂNESCU, Angela DĂNILĂ, Romeo PRUNEANU, Vasilica POPESCU</i>	WAYS OF IMPROVING THE QUALITY OF MILITARY FOOTWEAR <i>Liliia CHERTENKO, Natalia KUZINA, Andrii LIPSKYI, Kateryna RESHETNIAK</i>	INFLUENCE OF STRUCTURAL PARAMETERS ON THE PROPERTIES OF KNITTED FABRICS FOR SLEEP MASKS <i>Crina-Mădălina SPASENIE, Ana-Ramona CIOBANU, Mirela BLAGA, Mihaela PERDEVARĂ, Rodica HARPA</i>
13:30 -14:00	LUNCH		
14:00 - 15:00	PLENARY SESSION II - Keynote Lectures (1st link) CHAIR: Radek SOUKUP, University of West Bohemia, CZECH REPUBLIC		
14:00 -14:30	Benny MALENGIER, Ghent University, BELGIUM ELECTRO-TEXTILE STRUCTURES USED FOR PERSONAL THERMAL MANAGEMENT SYSTEMS		
14:30-15:00	Anne-Marie GRUNDMEIER, University of Education Freiburg, GERMANY WHY TEXTILE EDUCATION SHOULD EMBRACE SUSTAINABILITY		
15:00-15:15	COFFEE BREAK		
15:15-16:30	PARALLEL SESSIONS (1st link, 2nd link, 3rd link)		
	SESSION 1.2. (1st link) <i>Chair: Simona VASILE HOGENT University of Applied Sciences and Arts, BELGIUM</i> <i>Functional and Smart Textiles for Meditech, Protech and Sportech Applications</i>	SESSION 2.2. (2nd link) <i>Chair: Cristina PIROI Gheorghe Asachi Technical University of Iasi, ROMANIA</i> <i>Technical Textiles and Sustainability Technical Textiles for Agrotech, Buildtech and Geotech Applications</i>	SESSION 3.2. (3rd link) <i>Chair: Adrian VILCU Gheorghe Asachi Technical University of Iasi, ROMANIA</i> <i>Management and Entrepreneurship</i>
15:15-15:30	AEROGELS AND XEROGELS IN DRUG DELIVERY: ADVANCES, OPPORTUNITIES, AND FUTURE DIRECTIONS	SUSTAINABLE 3D-PRINTED BIOMATERIALS: EFFECT OF COTTON FABRIC REINFORCEMENT ON FLEXURAL PROPERTIES	THE ART OF CONNECTION: HOW MULTIDISCIPLINARY DESIGN AND BRAND COLLABORATIONS DRIVE ORIGINALITY AND EMOTIONAL ENGAGEMENT IN FASHION

	<i>Handan PALAK</i> , Aslı GÜRBÜZ YURTSEVER, Özlem İpek KALAOGLU- ALTAN, Meryem Sedef ERDAL, Burçak KARAGÜZEL KAYAOGLU	<i>Radu FIRICEL</i> , Constantin-Eugen AILENEI, Irina-Elena MARIN, Savin- Dorin IONESI, Emil-Constantin LOGHIN	<i>Özgür CEYLAN</i> , Irmak TAŞ, <u>Neslişigül KILIÇ</u> , Emel AYDIN, Sinan KILINÇ, Nail ÇIRAK, Elif Gökçe ÖZKULAK
15:30-15:45	BALLISTIC PERFORMANCE OPTIMIZATION OF PARA-ARAMID COMPOSITES THROUGH STRATEGIC BINDER SYSTEM SELECTION <i>Niki Vlad MANCAŞI</i> , Irina Niculina CRISTIAN, Savin Dorin IONESI, Eugen Constantin AILENEI	LIFE CYCLE AND DURABILITY ASSESSMENT OF COTTON AND RECYCLED COTTON T-SHIRTS: IMPLICATIONS FOR SUSTAINABLE CONSUMPTION <i>Irina-Elena MARIN</i> , Eugen Constantin AILENEI, Radu FIRICEL, Emil Constantin LOGHIN	STRATEGIC MODELS FOR TRANSITIONING TOWARDS SUSTAINABLE ORGANISATIONS IN THE CONTEXT OF INDUSTRY 5.0 <i>Petrina-Delia VAGIUC</i> , Marius PÎSLARU, Ionuț-Viorel HERGHILIGIU
15:45-16:00	DIGITAL MODELLING OF CONDUCTIVE YARN PERFORMANCE IN BRAIDED FABRIC STRUCTURES <i>İlkay Özsev YÜKSEK</i> , Andrei DANIELESCU, Alper GÜRARSLAN, Özgür ATALAY, Yordan KYOSEV	STUDY ON NATURAL ANTIMICROBIAL SOLUTIONS FOR THE PRESERVATION OF SILK TEXTILE ARTIFACTS <i>Cristina PASCAL</i> , Sergiu SCUTARU, Irina-Niculina CRISTIAN	MODELS FOR MEASURING THE INFORMATION SYSTEM SUCCESS: A THEORETICAL SYNTHESIS APPROACH <i>Ştefana-Cătălina POHONTU- DRAGOMIR</i> , Adrian VÎLCU, Marius PÎSLARU, Ionuț-Viorel HERGHILIGIU
16:00-16:15	THE „WEAR-RISK-STANDARD” TRIAD AS AN ANALYTICAL MODEL FOR THE REDESIGN OF PERSONAL PROTECTIVE EQUIPMENT FOR WELDERS USING ELECTRIC AND GAS-BASED PROCESSES <i>Ana TOPOR</i> , Stela BALAN, <u>Manuela AVADANEI</u>	LEAN IN TEXTILE SMES: A CONTEXT-SENSITIVE FRAMEWORK AND PROGRESSIVE ROADMAP WITH LEAN 4.0 ENABLERS <i>Nicoleta-Mihaela CASANEANU (DASCALU)</i> , Laura-Crina MIRAUTÉ (COCA), Marius PÎSLARU	EVIDENCE ON THE DYNAMICS OF THE TEXTILE AND CLOTHING INDUSTRY AND MARKET IN ROMANIA <i>Mihaela Brîndușa TUDOSE</i> , Raluca Irina CLIPA
16:15-16:30	FUNCTIONAL AND ERGONOMIC DESIGN OF PROTECTIVE GARMENTS FOR WELDERS USING ELECTRIC AND GAS-BASED PROCESSES TO ENHANCE DURABILITY AND SAFETY <i>Ana TOPOR</i> , Stela BALAN, <u>Manuela AVADANEI</u>	INFLUENCE OF METEOROLOGICAL FACTORS ON THE PHYSICO- MECHANICAL CHARACTERISTICS OF FIBRILLATED YARNS <i>Cristina RACU</i> , Marius Răzvan ZVONARU, <u>Odelia Iuliana HERCIU</u>	A DESCRIPTIVE APPROACH TO PERCEPTIONS REGARDING THE CONCEPTUAL MODEL OF MAINTENANCE CONTRACTS MANAGEMENT <i>Mădălina-Laura VELESCU</i> , Ion VERZEA, Adrian VÎLCU
16:30-16:45	<i>COFFEE BREAK</i>		
16:45-18:00	PARALLEL SESSIONS (1st link, 2nd link, 3rd link)		
	SESSION 1.3. (1st link) <i>Chair: Ilda KAZANI</i> <i>Polytechnic University of Tirana, Albania</i> Textile Education and Training for the Technical Textiles Field	SESSION 2.3. (2nd link) <i>Chair: Irina CRISTIAN</i> <i>Gheorghe Asachi Technical University of Iasi, ROMANIA</i> Technical Textiles and Sustainability	SESSION 3.3. (3rd link) <i>Chair: Andreea APETREI KALVERAM</i> <i>Catholic University of Valencia, SPAIN</i> Management and Entrepreneurship
16:45-17:00	3D4U - COLLABORATION BETWEEN UNIVERSITIES/RESEARCH CENTRES AND INDUSTRY IN UKRAINE <i>Evridiki PAPACHRISTOU</i> , Natalia PERVAIA, Liliia CHERTENKO, Oksana MYKHAILOVSKA, Tetiana NADOPTA, Tetiana IVANSHENA, Mykola RIABCHYKOV, Liudmyla NAZARCHUK, Golda VYNOGRADSKA, <u>Mariana COSTEA</u> , Olena KYZYMCHUK, Stamatoula BILALI	TEXTILES IN TRANSITION: EU REGULATION ON WASTE MANAGEMENT <i>Andreea Nistorac</i> , Luminița CIOBANU	FROM CONSUMER TO PROSUMER: A QUANTITATIVE STUDY OF SOLAR ENERGY INTEGRATION IN NORTHEASTERN ROMANIA <i>Adrian VÎLCU</i> , Ionuț-Viorel HERGHILIGIU, Laurențiu GHERASIM, Ştefana-Cătălina POHONTU- DRAGOMIR, Cătălin-Ioan BUDEANU, Nicoleta-Mihaela DASCALU

17:00-17:15	AN EXAMPLE OF SUPPORTING TEXTILE EDUCATION IN UZBEKISTAN AND KAZAKHSTAN: THE CASE OF TEX4FUTURE PROJECT <i>Luminita CIOBANU, Savin Dorin IONESI</i>	APPLICATION OF ECODESIGN PRINCIPLES IN THE DYEING OF NATURAL FIBRE TEXTILES <i>Andreea TIMOFTE, Alina Mihaela PALCU, Valentina-Gabi STANECU, Romeo PRUNEANU, Ioana Roxana CORDUNEANU, Vasilica POPESCU</i>	EXPLORING PERSONALITY-BASED PREDICTORS OF ENVIRONMENTAL ATTITUDES AND BEHAVIORS IN TECHNICAL ACADEMIC CONTEXTS <i>Raluca Petronela LAZARESCU, Adrian VILCU, Catalin VILCU, Elena AVRAM</i>
17:15-17:30	THE IMPACT OF THE ERASMUS+ DIGITAL FASHION PROJECT <i>Irina IONESCU, Emil LOGHIN, Manuela Lăcrămioara AVĂDANEI, Andreea Madalina TALPA</i>	RESEARCH ON SUSTAINABLE AND MODULAR DESIGN IN WOMEN'S TRENCH COATS: FROM TRADITION TO INNOVATION <i>Manuela-Lăcrămioara AVĂDANEI, Irina-Elena MARIN, Ana-Diana VATRĂ, Nicoleta POPAC</i>	GOVERNANCE, STRATEGY AND RISK MANAGEMENT: A COMPARATIVE ANALYSIS OF LEADING INTERNATIONAL FRAMEWORKS <i>Mihai-Doru BULIGA, Stejărel BREZULEANU, Ion VERZEA</i>
17:30-17:45	A DIGITAL APPROACH TO TEXTILE EDUCATION FOR PROGRAMMING KNITTED FABRICS VIA TECHNICAL MODULES <i>Ana-Ramona CIOBANU</i>	TEXTILE MATERIALS ENNOBLING USING EMBROIDERY TECHNIQUES <i>Irina IONESCU, Andreea Madalina Talpă, Mihaela POPANU</i>	CAREER-MAKING, A MOTIVATION FACTOR IN PRIVATE ROMANIAN COMPANIES <i>Diana Geantimir, Luminița Mihaela LUPU</i>
17:45-18:00		LINKING TECHNOLOGICAL ADVANCES AND CULTURAL HERITAGE: THE CASE OF CRAFT-IT4SD PROJECT <i>Savin Dorin IONESI, Aura MIHAI, Antonela CURTEZA, Radu FIRICEL, Iuliana STREBA, Raluca LUPU</i>	ANALYSIS OF THE DETERMINANTS OF CORPORATE PERFORMANCE. RESEARCH CARRIED OUT ON A SAMPLE PILOT IN THE GARMENT INDUSTRY <i>Mihaela Brîndușa TUDOSE, Corina ȘUȘNEA (TROFIN)</i>
18:00	TTPF 2025 CLOSING CEREMONY (1st link)		