

CONFERENCE PROGRAM



**19th Romanian Textiles and Leather
Conference
CORTEP'2024**

**Iași, Romania
07- 09 November 2024**

ORGANIZERS



„Gheorghe Asachi” Technical University of Iasi, Romania



Faculty of Industrial Design and Business Management

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Ministry of Research, Innovation and Digitalization

CONFERENCE PROGRAM

CORTEP'2024

NOVEMBER 6, WEDNESDAY

18.00-20.00: Welcome reception - Faculty of Industrial Design and Business Management, Tex 1, Ground floor

NOVEMBER 7, THURSDAY

08.30-09.30: Registration - Rectorate Building, TUIASI, Ground floor

09.30-10.00: Opening ceremony - Conference Room "Cristea Niculescu-Otin", TUIASI, Ground floor
[Connection link](#)

Mirela BLAGA - President of the Conference, "Gheorghe Asachi" Technical University of Iași, Romania

Carmen LOGHIN - Vice-Rector, "Gheorghe Asachi" Technical University of Iași, Romania

Dorin IONESI - Dean, Faculty of Industrial Design and Business Management, "Gheorghe Asachi" Technical University of Iași, Romania

Ilda KAZANI - President of the BASTE Organisation

Savvas VASSILIADIS - President of the AUTEX Organisation

10.00-11.30: KEY NOTE SESSION 1 – [Connection link](#)

Chair Person: Maria Carmen LOGHIN

SAVVAS VASSILIADIS - University of West Attica, Greece
ENERGY HARVESTING FOR WEARABLES

ALESSANDRO DE ROSA - Università di Firenze, Italy

RITA SOUTO - Centro Tecnológico do Calçado de Portugal, Portugal

IMPACTING IN TOMORROW'S TCLF EUROPEAN ECOSYSTEM – INNOVATION IN EDUCATION TOGETHER WITH MATURE NETWORKS

AMINODDIN HAJI - Yazd University, Iran

NOVEL APPROACHES FOR BIO-BASED DYEING AND FUNCTIONALIZATION OF TEXTILES

11.30-12.00: Coffee break

12.00-13.00: PLENARY SESSION 1 – [Connection link](#)

Chair Person: Mirela BLAGA

Majlinda HYLLI, Ilda KAZANI, Aulon SHABANI, Genti GUXHO - Polytechnic University of Tirana, Tirana, Albania

SMART LEATHER PRODUCED THROUGH REPEATED IN-SITU POLYMERIZATIONS PROCESSES

Ali Raza SHAFQAT, Yasir NAWAB, Muzzamal HUSSAIN - School of Engineering & Technology, National Textile University, Faisalabad, Pakistan

RE-PURPOSING OF TEXTILES DEAD WASTE INTO COMPOSITES TO ACHIEVE CIRCULARITY

Özgür CEYLAN, Irmak TAŞ, Nesligül KILIÇ, Emel AYDIN, Ekrem AYDIN, Umut BAKIR, Elçin KÜÇÜKERDEM - Eskisehir Technical University, Turkey

HARNESSING AI FOR SUSTAINABLE FASHION: A CASE STUDY ON MAVI'S TECH FUSION COLLECTION

13.00-14.30: Lunch break

14.30-16.00: PARALLEL SESSIONS 1, Faculty of Industrial Design and Business Management, Tex 1

	1A – <i>Connection link</i>	1B – <i>Connection link</i>	1C – <i>Connection link</i>
	Chair Person Özgür CEYLAN	Chair Person Muzzamal HUSSAIN	Chair Person Amel BABAY
	<i>Comfort, quality of textiles and sensory evaluation</i>	<i>Smart textiles, medical textiles, composites</i>	<i>Entrepreneurship and innovation</i>
	<i>Council Room</i>	<i>SMARTER Room</i>	<i>Room 108</i>
14.30-14.45	Sena CİMİLLİ DURU, Cevza CANDAN, Banu NERGİS EFFECT OF LAUNDERING ON UV PROTECTION PERFORMANCE OF UMORFIL BASED FABRICS	Sena DEMİRBAĞ GENÇ MICROENCAPSULATION AND CHARACTERIZATION OF THE EUTECTIC MIXTURE OF LAURIC ACID AND STEARIC ACID INTO GELATIN/GUM ARABIC SHELL BY COMPLEX COACERVATION METHOD	Bukola O. SOWEMIMO, Princess D. NGUETE CHALLENGES AND PROSPECTS OF ADIRE TEXTILE INDUSTRY IN ABEOKUTA, NIGERIA
14.45-15.00	Yasemin DULEK, Ipek YILDIRAN, Bugce SEVINC, Esra MERT, Hatice SALAR, Cem GUNESOGLU INVESTIGATION OF THE COMFORT PROPERTIES OF MULTILAYER WOVEN FABRICS WITH DIFFERENT WEFT YARNS	Mohammad Shak SADI, Eglé KUMPIKAITÉ DEVELOPMENT OF SUSTAINABLE ELECTRONIC TEXTILES FOR VARIANT WEARABLE APPLICATIONS	Mădălina Maria BREZULEANU QUALITATIVE ANALYSIS OF INNOVATIVE ENTREPRENEURSHIP IN VARIOUS FORMS OF CAPITALISM
15.00-15.15	Rodica HARPA, Cristina PIROI, Marius OPREA, Irina CRISTIAN A SUSTAINABLE DIVERSIFICATION STRATEGY FOR STRETCH DENIM PRODUCTION: "IN-HOUSE" WASHING OF FINISHED FABRICS	Müyesser Selda TÖZÜM DEVELOPMENT OF THERMOCHROMIC AND THERMOREGULATING COTTON FABRICS USING DIFFERENT TYPES OF DISPERSING AGENTS IN MICROCAPSULE APPLICATION	Nicoleta-Andreea FILIP, Ion VERZEA, Stejărel BREZULEANU, Dănuț-Constantin FILIP MANAGERIAL MODELS THAT INFLUENCE WELLBEING
15.15-15.30	Cristina RACU GRAPHICAL PROCEDURE FOR ESTIMATING OPTIMUM YARN SPINNING PARAMETERS BY RESPONSE SURFACE METHODOLOGY	Liudmyla MELNYK, Olena KYZYMCHUK, Yordan KYOSEV, Arsenii ARABULI 3D TECHNOLOGY IN DESIGN OF TEXTILE REHABILITATION PRODUCTS AFTER LIMB AMPUTATION	Mihai-Doru BULIGA, Ion VERZEA, Rachid CHAIB HUMAN RESOURCE MANAGEMENT'S RISK-PERSPECTIVE
15.30-15.45	Handan PALAK, Burçak KARAGÜZEL KAYAOĞLU THE ROLE OF SOLVENTS ON DISPERSION OF CELLULOSE NANOCRYSTALS IN POLYLACTIDE MATRIX	Simin AHMADI, Seyed Abolfazl MIRDEHGHAN EFFECT OF NON-WOVEN INTERLAYER ON MODE II FRACTURE TOUGHNESS OF MULTILAYER GLASS/EPOXY COMPOSITES	Laura-Crina MIRAUTE (COCA), Marius PISLARU THE RELATIONSHIP BETWEEN INNOVATION AND SUSTAINABILITY, THE IMPACT OF INNOVATION ON SUSTAINABILITY IN THE PHARMACEUTICAL INDUSTRY
15.45-16.00	Homa MALEKİ, Rouhollah SEMNANI RAHBAR, Sennur Alay AKSOY, Demet YILMAZ FABRICATION AND CHARACTERIZATION OF CORE-SHELL PCM-LOADED YARN FOR ENHANCED THERMAL MANAGEMENT	Janset ÖZTEMUR, Suzan ÖZDEMİR, Hande SEZGİN, İpek YALÇIN-ENİŞ INCORPORATION OF HEPARIN TO ELECTROSPUN VASCULAR GRAFTS FOR ANTIPLATELET PROPERTIES	Ana Maria DOBRANICI (DUMITRESCU), Silvia AVASILCĂI, Adriana BUJOR, Florentina BÎRLĂDEANU (EFTINCĂ) EXPLORING ORGANIZATIONAL CULTURE: A CASE STUDY OF A HIGH SCHOOL IN ROMANIA

16.00-16.30: Coffee break, Room 10

16.30-18.00: PARALLEL SESSIONS 2, Faculty of Industrial Design and Business Management, Tex 1

	2A – Connection link	2B – Connection link	2C – Connection link
	Person Antonela CURTEZA	Chair Person Tatjana SPAHIU	Chair Person Marius PIŞLARU
	Digital product development for TCLF industry	Advances in leather processing & Artificial intelligence applied in textiles	New business models and emergent ecosystems
	Council Room	SMARTER Room	Room 108
16.30-16.45	Vikita SHAH, Smriti AGARWAL VIRTUAL TRY-ON, AN APPLIED SCIENCE EVOLVING THE ACQUISITION PRACTISES OF CONSUMERS	Deepshikha PHOGAT, Rikhil NAGPAL, Shelly KHANNA UNVEILING THE INVISIBLE: A DISCOURSE ON AUGMENTED REALITY FABRIC WITH CRYPTIC MESSAGE ACTIVATION	Neta-Ionelia SAPTEBANI, Delia ROZOVLEAN, Alexandra COROIAN, Roxana KASAI, Larisa IVASCU EVALUATING THE DIGITALIZATION NEEDS OF THE ROMANIAN ORGANIZATIONS
16.45-17.00	Valentina FRUNZE, Daniela FĂRÎMĂ, Marcela IROVAN, Elena FLOREA-BURDUJA, Aliona RARU INITIAL STUDIES ON FUNCTIONAL CLOTHING PRODUCTS FOR INDIVIDUALS WITH PHYSICAL DISABILITIES	Ilda KAZANI, Majlinda HYLLI, Aulon SHABANI, Genti GUXHO HEAT TRANSFER EFFECT FOR THE LEATHER CONDUCTOR	Daniela SOLOVATSRU (IVAN), Ion VERZEA, Adrian VILCU IDENTIFICATION OF RISKS IN TERRITORIAL ADMINISTRATIVE UNITS
17.00-17.15	Zinaida ŞUBA, Daniela FĂRĂMĂ, Svetlana CANGAŞ DEVELOPMENT OF STAGE COSTUMES FOR SINGERS OF POP AND FOLK MUSIC	Adrian VÎLCU, Luminiţa CIOBANU, Cristian BACIU, Raluca LĂZĂRESCU ANALYSIS AND VALUE ENGINEERING APPLIED TO SMART TEXTILES - DIABETIC SOCK WITH TEMPERATURE AND HUMIDITY MONITORING MODULE	Viorica COMŞA, Ion VERZEA, Adrian VÎLCU THE VIRTUAL UNIVERSITY'S MANAGEMENT MODEL: QUANTITATIVE RESEARCH ON THE TECHNOLOGICAL RESOURCES DIMENSION
17.15-17.30	Svetlana CANGAS, Elena FLOREA-BURDUJA THE REVITALIZATION OF SHIRTS WITH THE TWISTED SLEEVE	Zouhour CHOURABI, Walid DHOUIB, Faouzi KHEDHER, Amel BABAY DIGITALIZATION OF WORKFORCE MANAGEMENT SYSTEM FOR AN APPAREL INDUSTRY 4.0	Mihaela Brîndusa TUDOSE, Valentina Diana RUSU, Silvia AVASILCĂI DETERMINANTS OF INNOVATION IN BUSINESS MODELS
17.30-17.45	Anselm NAAKE, Niclas KLAWITTER, Ann-Malin SCHMIDT, Yordan KYOSEV GENERATION OF YARN SCALE FEM MODELS OF WEFT KNITTED STRUCTURES WITH DIFFERENT PATTERNS	Ana ISCHIMJI CONSTRUCTIVE-TECHNOLOGICAL ASPECTS OF OBTAINING CLOTHING PRODUCTS MADE OF LEATHER AND FUR SPECIFIC TO THE POPULAR WEAR ON THE TERRITORY OF THE REPUBLIC OF MOLDOVA	Mădălina-Laura VELEŞCU, Ion VERZEA, Liviu FILIP THE OPPORTUNITIES AND CHALLENGES OF SMART MANAGEMENT OF MAINTENANCE CONTRACTS
17.45-18.00	Maria MUNTEANU, Angela SCRIPCENCO, Ramona BUDEANU, Antonela CURTEZA, Elena FLOREA-BURDUJA, Cezara-Patrisia LAZAR REINTERPRETATION OF TRADITIONAL STYLE IN UNIFORMS FOR HOTEL SERVICES	Victoria DĂNILA TRAINING OF SOCIO-CULTURAL VALUES OF UNIVERSITY EDUCATION STUDENTS BASED ON THE CONCEPT OF SUSTAINABLE EDUCATION	Dănuţ-Constantin FILIP, Ion VERZEA, Stejărel BREZULEANU, Nicoleta-Andreea FILIP DIGITALIZATION, DIGITIZATION AND INNOVATION WITHIN SMALL AND MEDIUM ENTERPRISES

19.00 - SOCIAL PROGRAM - GALA DINNER, BELLARIA RESTAURANT.

NOVEMBER 8, FRIDAY**9.00-10.00: KEY NOTE SESSION 2, SMARTER Room – [Connection link](#)****Chair Person: Rodica HARPA****XUNGAI WANG** - Hong Kong Polytechnic University, Hong Kong
*UNCOVERING THE VALUE IN TEXTILE WASTE***ABHIJIT MAJUMDAR** - Indian Institute of Technology, Delhi, India
*DEVELOPMENT OF STAB RESISTANT TEXTILES***10.00-11.00: PLENARY SESSION 2, SMARTER Room – [Connection link](#)****Chair Person: Aura MIHAI****Juris BLUMS** - Riga Technical University, Latvia
*TOWARDS THE ENERGY-INDEPENDENT WEARABLES: HUMAN ENERGY HARVESTING AND SELF-POWERED SENSORS***Bessem KORDOGLI, Amel BABAY, Mustapha AHLAQQACH, Mustapha HLAYAL** - Monastir University, Tunisia; ESITH Casablanca, Morocco; Hassan II University of Casablanca, Casablanca
*BEST PRACTICES FOR SUCCESSFUL MODEL CHANGEOVER IN THE CLOTHING INDUSTRY***Alexandra ENE** - The National Research & Development Institute for Textiles and Leather, Romania
*TEXTILES AND LEATHER AT THE FOREFRONT OF SOCIAL CHALLENGES***11.00-11.30: Coffee break, Room 10****11.30-13.00: PARALLEL SESSIONS 3, Faculty of Industrial Design and Business Management, Tex 1**

	3A – Connection link	3B – Connection link	3C – Connection link
	Chair Person Luminița CIOBANU	Chair Person Cristina PIROI	Chair Person Ilda KAZANI
	<i>Engineering education</i>	<i>Recycling, life cycle analysis, sustainability and circularity</i>	<i>Innovative textile materials and processing</i>
	<i>Council Room</i>	<i>SMARTER Room</i>	<i>Room 108</i>
11.30-11.45	Pavla TĚŠINOVÁ CLOTHING COMFORT IN THE VARIOUS ENVIRONMENT – TEXTILE EDUCATION PRACTICE EXAMPLES	Raluca-Maria ȚĂBULEAC, Maria GAVRILESCU ANALYZING WASTE MANAGEMENT AND RECYCLING TRENDS IN THE TOURISM INDUSTRY USING EUROSTAT DATA	Sennur ALAY AKSOY FABRICATION OF MYRISTIC ACID-CONTAINING PMMA STRUCTURED PCM NANOFIBERS FOR THERMAL ENERGY STORAGE
11.45-12.00	Irina IONESCU, Manuela Lăcrămioara AVĂDANEI, Andreea TALPĂ, Carmen TIȚĂ ANALYZE OF GARMENTS STRUCTURE FOR CLOTHING DESIGN DIGITALIZATION PROCESS	Bukola O. SOWEMIMO, Adetoun A. AMUBODE SUSTAINABLE FASHION CONSCIOUSNESS AND BEHAVIOUR OF APPAREL PRODUCERS IN LAGOS, NIGERIA	Dydimus Efeze NKEMAJA, Serge ETEME ENAMA, Abdouramane NSANGOU, Doina SIBIESCU, Fabien Ebanda BETENE, Pierre Marcel Anicet NOAH, Achille Désiré BETENÉ OMGBA DESIGN OF AN ECOLOGICAL INSECTICIDAL KNITTING
12.00-12.15	Luminița CIOBANU, Savin-Dorin IONESI, Elena-Lidia ALEXA A NEW APPROACH TO VIRTUAL LEARNING OF SMART TEXTILES: THE HACKTEX METHODOLOGY	Nicoleta-Mihaela CĂSĂNEANU (DASCĂLU), Marius PÎSLARU DIGITAL LEAN MANUFACTURING IN THE TEXTILE INDUSTRY	Simge ÖZKAYALAR, Gökhan ERKAN, Sennur ALAY AKSOY POLY (METHYL METHACRYLATE-CO-GLYCIDYL METHACRYLATE)/1-TETRADECANOL MICROCAPSULES FOR TEXTILE APPLICATIONS

12.15-12.30	Ştefana-Cătălina POHONȚU-DRAGOMIR, Ionuț Viorel HERGHILIGIU RESEARCH ON MODELS MEASURING ORGANIZATIONAL INFORMATION SYSTEM SUCCESS	Enfal KAYAHAN, Sennur ALAY AKSOY CELLULOSE NANOCRYSTALS FROM THE SOFT SHELL OF THE PISTACHIO NUT (PISTACIA L. VERA)	Sennur ALAY AKSOY, Demet YILMAZ THERMOREGULATING PROPERTIES OF VISCOSE RING SPUN YARNS MODIFIED WITH PHASE CHANGE MATERIALS (PCMS) MICROCAPSULES
12.30-12.45	Arina SEUL, Aura MIHAI, Mariana COSTEA, Raluca LUPU, Adriana CHIRILĂ INDUSTRY 5.0 IN THE FOOTWEAR SECTOR: A ROMANIAN PERSPECTIVE	Aliona RARU, Alexandra SOLOVIOVA, Marcela IROVAN, Daniela FĂRÎMĂ, Elena FLOREA-BURDUJA, Tatiana BUJOREAN, Valentina FRUNZE SUSTAINABLE TECHNIQS IN FASHION INDUSTRY- BIO MATERIALS AND VIRTUAL PROTOTYPING (PRACTIC APPLICATION)	Hüseyin TOPÇU, Melike KORKMAZ, Güngör DURUR CAPACITY ANALYSIS IN A TEXTILE DYEING LABORATORY: A CASE STUDY OF WASTE IDENTIFICATION DIAGRAM
12.45-13.00	Andreea TALPĂ, Irina IONESCU, Manuela Lăcrămioara AVĂDANEI, Carmen LOGHIN, Carmen TIȚĂ ENSURING CONSISTENCY IN APPAREL PRODUCTION: THE ROLE OF TECHNICAL SHEETS	Ionela-Vlada GRAUR M, Angela SCRIPCENCO, Manuela AVĂDANEI, Elena FLOREA-BURDUJA, Ana-Diana VATRA, Malina-Ioana ROSCA APPLICATION OF THE PRINCIPLE OF SUSTAINABILITY IN DESIGNING A GARMENT COLLECTION FOR WOMEN	Dereje Berihun SITOTAW, Dominik MUENKS, Yordan Kostadinov KYOSEV – COMPARATIVE ANALYSIS OF ATTACHMENTS FOR 3D-PRINTED PROTECTIVE ELEMENTS IN ARMOR VESTS: EVALUATING PRINTING, GLUING, WELDING, AND SEWING FOR RESISTANCE STRENGTH

13.00-14.30: Lunch Break, Room 10

14.30-15.30: KEY NOTE SESSION 3, SMARTER Room – [Connection link](#)

Chair Person: Savin Dorin IONESI

ADA FERRI - DESIGN THE PERFECT SPORTSWEAR THROUGH THE UTILIZATION OF THE PYRAMID OF COMFORT

PARIKSHIT GOSWAMI - INNOVATIVE APPLICATIONS OF TEXTILE MATERIALS IN MEDICAL TECHNOLOGY

15.30-17.00: PARALLEL SESSIONS 4, Faculty of Industrial Design and Business Management, Tex 1

	4A – Connection link	4B – Connection link	4C – Connection link
	Chair Person Manuela AVĂDANEI	Chair Person Juris BLUM	Chair Person Aminodin HAJI
	<i>Engineering education</i>	<i>Recycling, life cycle analysis, sustainability and circularity</i>	<i>Innovative textile materials and processing</i>
	Council Room	SMARTER Room	Room 108
15.30-15.45	Mirela BLAGA, Anne-Marie GRUNDMEIER OPEN EDUCATIONAL RESOURCES FOR A SUSTAINABLE DEVELOPMENT IN THE TEXTILE SECTOR	Byoungmin CHO, Y. KIM, H. LEE, Y. AHN, K. PARK, J. YANG, J. KIM PRETREATMENT CONDITIONS OF MUSHROOM MYCELIUM AS A LEATHER SUBSTITUTE	Canan USTA, Aybeniz SEYHAN, Alper GÜRARSLAN DYEING BEHAVIOUR OF POPLAR FIBER WITH REACTIVE RED DYE

15.45-16.00	Hanieh CHOOPANI, Martina GLOMB, Anne-Marie GRUNDMEIER IMPLEMENTING SUSTAINABILITY ASPECTS IN FASHION DESIGN EDUCATION: BEST PRACTICE EXAMPLE WITH USE-LESS PRODUCT LIFECYCLE	Deepshikha PHOGAT, Shelly KHANNA, Shalu NEHRA, Vishal DWEVEDI UNVEILING A PARADIGM SHIFT IN FASHION DESIGN THROUGH CIRCULARITY: A KHADI CAPSULE COLLECTION WITH REINTEGRATED ELEMENTS AND JUTE ACCESSORIES	Mohammad Reza MOHADDES MOJTAHED, Amin EBRAHIMZADE INVESTIGATING THE PHYSICAL PROPERTIES, RESILIENCY AND DYEABILITY OF POLYPROPYLENE/NANOCLAY NANOCOMPOSITE FIBERS
16.00-16.15	Manuela BRÄUNING, Anne-Marie GRUNDMEIER WAYS TO IMPROVE ACTION COMPETENCE FOR PRODUCT DEVELOPMENT IN TEXTILE ENGINEERING EDUCATION	Elena TOMOVSKA, Zorica CVETKOVSKA APPLICATION OF SOLAR ENERGY IN THE TEXTILE INDUSTRY: A CASE STUDY OF N. MACEDONIAN SMEs	Cemre Nur DOĞAN, Emine AYAZ DYEING OF COTTON WEAVING FABRICS WITH NATURAL DYES BY USING COLD PAD BATCH METHOD
16.15-16.30	Manuela AVĂDANEI, Hassan SAEED, Yordan KYOSEV, Adnan MAZARI, Malgorzata MATUSIAK, Irina IONESCU, Antonela CURTEZA, Mirela BLAGA E-DRESS - A DIGITAL PLATFORM AIMED AT ENHANCING FLEXIBLE TRAINING FOR EUROPEAN STUDENTS IN CLOTHING FIELD	Marian Catalin GROSU, Emilia VISILEANU, Radu ALBESCU, Gabriela Alexandra ENE EVALUATION OF EXPOSURE TO THE ACTION OF PLASTIC PARTICLES IN THE INDUSTRIAL ENVIRONMENT	Aliye AKARSU ÖZENÇ, Semiha EREN, Zeynep ATLAS ECO-FRIENDLY DYEING OF HEMP FABRICS USING NATURAL DYES AS AN ALTERNATIVE TO SYNTHETIC DYEING METHODS
16.30-16.45	Tatjana SPAHIU, E. SHEHI, A. AGOLLI, L. BASHA, E. PRENCE, S. PASHAJ, A. SEUL, A. CHIRILA, A. MANAVIS, P. KYRATSI, R. SOUTO BIZARRO, F. SILVA, A. VYTANIOTI, D. PAPAKONSTANTINOU LEARNING NEEDS RELEVANT TO THE FOOTWEAR INDUSTRY IN THE DIGI4WEAREBLES CONSORTIUM COUNTRIES – PRELIMINARY RESULTS OF THE EU PROJECT DIGI4WEARABLES	Eugen Constantin AILENEI, Savin Dorin IONESI, Emil Constantin LOGHIN, Ionut DULGHERIU STUDY OF THE SHREDDING PARAMETERS OF PLA WASTE USED IN MAKING FILAMENTS FOR 3D PRINTING	Özgür CEYLAN, Irmak TAŞ, Nesligül KILIÇ, Emel AYDIN, Ebru TUĞALAN, Neslihan AK, Ecem KARAMANLARGİL ENHANCING DENIM SUSTAINABILITY: A CASE STUDY ON THE ADOPTION OF REGENERATIVE COTTON
16.45-17.00	Alina IOVAN-DRAGOMIR, Aura MIHAI LEARNING FACTORY. RESEARCH ON EDUCATION AND TRAINING NEEDS IN THE LEATHER GOODS INDUSTRY	Gökberk DEVRİM, Vildan SULAR, Sukran KARA DEVELOPMENT OF NUTRIENT-ADDED NONWOVEN SEEDLING BAGS	Melinda PRUNEANU, Ingrid Ioana BUCIŞCANU, Romeo PRUNEANU PHYSICO-CHEMICAL WOOL FUNCTIONALIZATION TO ACHIEVE ANTI-FELTING CHARACTERISTICS



14.00-14.45: BASTE GA MEETING (hybrid) – Connection link
Chair Person Ilda KAZANI
14.45 -17.00: BASTE STUDENTS' FESTIVAL (online) – Connection link
Chair Person Zlatina KAZLACHEVA
Fabiola ALIKAJ - Department of textile and fashion, Polytechnic University of Tirana, Albania ENZYME USE IN TEXTILE INDUSTRY
Albina VAKA - Department of textile and fashion, Polytechnic University of Tirana, Albania DENIM REBORN
Vasil HRISTOV, Irina RUSEVA, Krasimira GENOVA -Trakia University, Bulgaria 3D SCANNING OF BULGARIAN TRADITIONAL COSTUMES
Paula MARASOVIĆ - Faculty of Textile Technology, University of Zagreb, Croatia TOWARDS A SUSTAINABLE FUTURE: DEGRADATION ANALYSIS OF PLA AND CELLULOSE-BASED NONWOVEN MULCHES FOR ECO-FRIENDLY AGRICULTURE
Miltos DALTARIS - University of West Attica, Greece ELECTROMAGNETIC SHIELDING
Christina KIOSIA - University of West Attica, Greece 3D KNITS FOR VISUALLY IMPAIRED PEOPLE
Danai MANOUSARIDIS - University of West Attica, Greece JAPANESE BAG
Neofotistos GIANNIS - University of West Attica, Greece AI FOR THE TRADITIONAL COSTUME
Kristina JAKIMOVSKA - Faculty of Technology and Metallurgy in Skopje, North Macedonia THE USE OF FABRIC DYE FILTER AFTER BECOMING WASTE FOR PRODUCTION OF SUSTAINABLE BRICKS
Sara LUKIKJ - Faculty of Technology and Metallurgy in Skopje, North Macedonia SILENT SOLUTIONS: UTILIZING APPAREL CUTTINGS FOR SOUNDPROOFING
Raluca LUPU - Faculty of Industrial Design & Business Management, "Gheorghe Asachi" Technical University of Iasi, Romania INNOVATIVE AND SUSTAINABLE SHOE DESIGN: INTEGRATING 3D PRINTING AND BIODEGRADABLE MATERIALS IN THE ECO-FRIENDLY FASHION FIELD
Milica MILANKOVIĆ, Anita FILIPOVIĆ, Ljubica MLADENOVIĆ - Academy of Technical and Art Applied Studies, Belgrade, Serbia SUSTAINABILITY IN MEDICAL TEXTILE - CLOTHES FOR IMMOBILE PATIENT
Sara MILAK, Irena BAŽDAR - Academy of Technical and Art Applied Studies, Belgrade, Serbia RECYCLED JEANS IN THE INTERIOR
Isidora CVIJETIC, Koviljka ASANOVIĆ, Faculty of Technology and Metallurgy, University of Belgrade, Serbia ORGANIC WOOL: MORE SUSTAINABLE CHOICE FOR MAKING CLOTHING KNITTED FABRICS
Irem ÇAKIR, Betül PALA, Cansel DEMIR - Ege University, Izmir, Turkey DESIGN OF A NEW THICKNESS MEASUREMENT METHOD FOR THREE -DIMENSIONAL FABRICS

15.30-17.00: POSTER PRESENTATION (ELECTRONIC PRESENTATION)
<i>Building Tex 1, Room 10, Ground Floor</i>
Irina ARNĂUTU DIGITAL RECONSTRUCTION AND SIMULATION OF AN ARCHAEOLOGICAL BROCADE FABRIC IN ARAHNE
Mirela BLAGA, Cristina GROSU, Neculai-Eugen SEGHEDEIN, Mihăiță HORODINĂ DESIGN OF FUNCTIONAL TEXTILES FOR VIBRATION ENVIRONMENTS

Liliana BUHU, Daniela NEGRU, Adrian BUHU, Ana-Cristina BĂRBIERU QUALITY ANALYSIS OF 100% WOOL COMBED YARNS ACCORDING TO THE DIAMETER AND LENGTH OF THE FIBRES USED
Ana-Ramona CIOBANU, Mirela BLAGA FOLDABLE LINES FOR WEFT KNITTED FABRICS WITH ORIGAMI-LIKE DESIGN
Victoria DĂNILA, Antonela CURTEZA, Stela BALAN STUDY REGARDING THE IDENTIFICATION OF THE ANTHROPOMETRIC DATA OF CHILDREN BORN PREMATURE
Mariana COSTEA, Arina SEUL, Aura MIHAI, Raluca LUPU, Adriana CHIRILĂ, Marta Catalina HARNAGEA IMPLEMENTING AUGMENTED REALITY IN TEACHING FOOTWEAR MANUFACTURING TECHNOLOGIES
Anne-Marie GRUNDMEIER, Mirela BLAGA TexUnite - SERVICE LEARNING ON SUSTAINABILITY IN TEXTILE AND FASHION EDUCATION
Andreea NISTORAC, Alexandra BODOGA, Dorina-Nicolina ISOPESCU, Maria Carmen LOGHIN TOWARDS SUSTAINABLE BUILDING INSULATION: THERMAL PERFORMANCE OF TEXTILE AND STYROFOAM WASTE BLENDS
Andreea TALPĂ, Emil LOGHIN, Alice MĂTĂȘEL MOTORCYCLE HELMETS: MATERIALS, TECHNOLOGIES, AND STANDARDS USED
Carmen TIȚĂ, Andreea TALPĂ, Irina IONESCU, Manuela-Lăcrămioara AVĂDANEI E-LEARNING EDUCATION PRODUCTS FOR FASHION DESIGN, A COMPARATIVE ANALYSIS
Mihaela Brîndușa TUDOSE, Savin Dorin IONESI, Ionuț DULGHERIU, Liliana BUHU, Raluca Irina CLIPA ECONOMIC MILESTONES REGARDING THE TEXTILE AND CLOTHING INDUSTRY ECOSYSTEM IN ROMANIA
Ana-Diana VATRA, Malina Ioana ROSCA, Manuela AVĂDANEI, Liliana HRISTIAN A SUSTAINABLE APPROACH TO THE DEVELOPMENT OF PERSONALISED CLOTHING - DIGITAL GRAPHIC TOOLS

17.00: CLOSING CEREMONY, SMARTER Room – [Connection link](#)

SATURDAY, NOVEMBER 9

MULTIPLIER EVENTS		
10.00-14.00	TUIASI Project Manager Manuela AVĂDANEI	TUIASI Project Manager Irina IONESCU
	<i>Council Room</i>	<i>SMARTER Room</i>
	E-DRESS - Facilitating digital readiness for education in textile engineering 	DIGITAL FASHION - Collaborative Online International Learning in Digital Fashion 
10.00-14.00	WALKING TOUR IASI	

Situated in the North-East of Romania, between the Moldavian Plateau and Jijia Plain, on the River Bahlui, it used to be the crossing place of the most important commercial roads that passed through Moldavia coming from Poland, Hungary, Russia and Constantinople. Archaeological investigations attest the presence of human communities on the present territory of the city and around it as far back as the prehistoric age.



Iasi is considered as the most important cultural centre of the country even after Bucharest. It is in Iasi that the first Romanian university was founded in 1860 and at present, accommodates annually over 60,000 students in 5 public and 3 private universities. Iasi is home to more than 50 churches and hosts several cultural centres. The National Theater (the oldest in Romania), Opera House, Iași State Philharmonic, Tătărași Athenaeum, Central University Library (the oldest in Romania), the large number of museums and memorial houses, the famous Botanical Garden (the oldest and largest in Romania), the independent theater and several student organizations show the intense cultural life in the city.

MAIN SIGHTS

Iași is an outstanding educational centre, and preserves some beautiful pieces of architecture, such as the Trei Ierarhi Church and the neo-Gothic Palace of Culture (the site of four museums - of History, of Technology, of Ethnography, and of Art).

CULTURAL LIFE

One of the most important cultural centres, Iași has many theatres, museums, and the like. The "**Vasile Alecsandri**" **National Theater**, opened in 1837 is the oldest National Theatre in Romania. The building, designed according to the plans of the Viennese architects Hermann Helmer and Ferdinand Fellner was built between 1894–1896, and also hosts starting 1956 the National Romanian Opera Iași.



National Theatre "Vasile Alecsandri"



The Palace of Culture (1906–1925, designed in flamboyant neo-Gothic style)

The Palace of Culture is an iconic building and it was partly built on the ruins of the mediaeval Royal Court of Moldavia. The Palace of Culture is inspired by the style of the Palace of Justice in Paris, built in the same date as the Clock Tower of the Palace of Culture from Iași. In the night of October 11 – 12, the architect and his 2 sons spent their time in the tower trying to adjust the clock. In that night The Hora of Unity (Hora Unirii) was heard throughout the city.

It hosts four museums:

- The Art Museum has the largest art collection in Romania, with more than 8,000 paintings, out of which 1,000 belong to the national and universal patrimony.
- The Moldavian History Museum offers more than 35,000 objects from various fields: archaeology, numismatics, decorative art, ancient books, documents etc.
- The Ethnographic Museum of Moldavia owns more than 11,000 objects depicting the Romanian advance through the ages.
- The Museum of Science and Technology offers many musical devices.



"Saint Trei Ierarhi" Church. A unique monument of its kind, a repository of the cultural and spiritual life of Moldavia, the Monastery of the Three Holy Hierarchs is located in the old centre of Iasi, on Stefan cel Mare si Sfânt Boulevard, formerly known as the Princely Street.

The Church, built during Prince Vasile Lupu's reign (1637 -1639), was intended to be a royal burial ground; it reflects the founder's aspiration to the Byzantine world as it combines traditional structures and shapes with precious materials and a sumptuous decoration. Metropolitan Varlaam consecrated this holy place on the 6th of May 1639, and two years later Saint Paraskeve's relics were moved here. The monastery accommodated a printing house and the "Schola Basiliiana", the future Princely Academy. In 1970 the monastery was closed and the only religious services to be officiated were the celebration of the feast day of the Three Hierarchs (30th January) and the Union Day on 24th of January. Following the 1989 events, the monastery was reopened at the initiative of His Beatitude Daniel, Metropolitan of Moldavia and Bukovina.

The monument is renowned for its embroidery in stone (most of it preserved in its original form) that decorate the outer walls. Thirty different carved stone decoration bands cover the entire outside walls of the church from the base to the top of the steeples; they are inspired from the national old wood carvings and embroideries blended with Asian and Western elements. An impressive threefold twisted cord – a symbol of the Holy Trinity – makes the architectural complex of the church absolutely perfect.



"Trei Ierarhi" Church (1635–1639)

EDUCATION AND SCIENCE

The first Technical High Education structure in Romanian language was established in the autumn of 1813, when engineer Gheorghe Asachi laid the foundations of a class of engineers, its activities taking place within the Greek Academy of Iași.

Iași is home to the oldest Romanian university (University of Iași), opened by (and nowadays named after) Domnitor Alexandru Ioan Cuza in 1860.

The city is host to five universities, and is widely regarded as the cultural "heart" of the Old Kingdom (that is Moldavia, Wallachia, and Dobruja - the three regions comprising Romania until 1918).

In 1937, the two applied science sections of the university of Iași became departments of the newly created Gheorghe Asachi Polytechnic School; In the period before and after World War II, the later (renamed Polytechnic Institute in 1948) extended its domain of activity, especially in the field of engineering, and became adopted a Technical University in 1993.

PUBLIC UNIVERSITIES IN IASI:

"Al. I. Cuza" University is the oldest higher education institution in Romania. Since 1860, the university has been carrying on a tradition of excellence and innovation in the fields of education and research. With over 23.000 students and 750 academic staff, the university enjoys high prestige at national and international level and cooperates with 280 universities world-wide. Alexandru Ioan Cuza University is a member of some of the most important university networks and associations: the Coimbra Group, EUA – European University Association, Utrecht Network, International Association of Universities, University Agency of Francophony and the Network of Francophone Universities (RUFAC).



"Gheorghe Asachi" Technical University of Iasi is among the oldest and well known institutions from the country, having an important tradition in engineering, scientific and cultural education, with a distinguishable presence on the international level. The university trains engineers with high qualifications, able to respond quickly and efficiently to the requirements of innovation, research and economic development. Moreover, the university carries on programs designed to continuously upgrade the engineers` professional skills imposed by the tendencies appeared at a global level.



"Gr. T. Popa" University of Medicine and Pharmacy - One of the oldest educational places in Romania, it was founded in 1879 as a Faculty of Medicine, later being associated with other two institutions which complete the medical instruction area – the Faculty of Pharmacy and the Faculty of Dentistry. In 1991, the institute receives the status of University and the name of the famous representative of the School of Functional Anatomy in Iasi, Grigore T. Popa. Later on, the Faculty of Medical Bioengineering was also included, the only one of the kind in the country. The university is proud today of its valuable professors and the material basis and modern technique, appropriate for the didactic and scientific research activity processes.



"G. Enescu" University of Arts is a public university in Iași, Romania, founded in 1860. It was named in honour of the composer George Enescu. The institution was established on 1 October 1860, as the Music and

Declamation School, by decree of Prince Alexandru Ioan Cuza, followed 26 days later, by the foundation of the School for Sculpture and Painting. In October 1864, Cuza approved the Charter for the Music and Declamation Conservatory and the Charter for the National Schools of Fine Arts (establishing the departments of painting, sculpture, gravure, architecture and the art of landscape architecture). In 1931, the Conservatory and the School of Fine Arts became the Academy of Music and Dramatic Art of Iași, which soon adopted the name George Enescu, and the Iași Academy of Fine Arts, respectively.



Iasi University of Life Sciences (IULS) is a specialized institution of superior agronomic and veterinary medicine training, financed by the state and having as fundamental mission the training of agricultural, horticultural and animal sciences engineers, agricultural economists, engineers in food industry, biologists, as well as veterinary surgeons. Our university is a serious academic partner, recognized by many European universities and institutions in the field of activity. We have 159 people as part of our teaching staff and research teams, who are teaching over 4200 students. Our academic offer provides courses from domains of study of national and international applicability, high-quality training, scientific research performance, access to modern facilities and equipment and also opportunities to participate in study and practice European mobility programmes, which all serve to build successful careers for all our students.



SHOPPING → Palas Mall

Located in the historic core of the city, near the Palace of Culture, the PALAS ensemble is a "city in the heart of the city". Designed and developed pursuant to the "lifestyle centre" concept, PALAS integrates in this unique complex areas for retail, hotels, A-class offices, apartments, underground parking lot with approximately 2,500 parking spaces and a perimeter set up for entertainment, all these on a built area of over 270,000 square meters. PALAS represents a premiere, both for Romania and for the real estate portfolio of the IULIUS Company, being the largest private investment ever made in north-eastern Romania, its total value being euro 265 million.

