

The list of the accepted presentations/papers/posters for the upcoming 11th ITC&DC on September 18th, 2024

PLENARY LECTURE

1.	Daniela ZAVEC	SMART TEXTILES FOR FLEXIBLE INTELLIGENCE	TITERA Ltd. Slovenia	oral
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EXPERT FOCUS LECTURE

2.	Lidija FRAS ZEMLJIČ	INNOVATIVE ADVANCEMENTS IN TEXTILE CHEMISTRY AND SUSTAINABLE MATERIALS: ACHIEVEMENTS OF THE RESEARCH PROGRAM GROUP P2 0118	University of Maribor Faculty of mechanical engineering	oral
3.	Torsten TEXTOR	INTERDISCIPLINARY PRODUCT DEVELOPMENT IN RESEARCH AND EDUCATION - WITH SOME EXAMPLES FROM SMART TEXTILES	Hochschule Reutlingen, TEXOVERSUM Fakultät Textil	only oral

SHORT PRESENTATION

4.	Savvas VASILADIS	AUTEX PRESENTATION		oral
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A – TEXTILE FIBRES AND ADVANCED MATERIALS

5.	Nina ČUK; Barbara SIMONČIČ; Rok FINK & Brigita TOMŠIČ	UNVEILING THE IMPACT OF COTTON SURFACE FREE ENERGY ON BACTERIAL ADHESION PROPERTIES	University of Ljubljana	oral
6.	Klaus OPWIS & Jessica SCHNEIDER, Thomas MAYER-GALL, Jochen S. GUTMANN	TEXTILES WITH CATALYTIC PROPERTIES	Deutsches Textilforschungszentrum Nord-West gGmbH	only oral
7.	Emília CSISZÁR, Mik MIRANDA & Erika FEKETE	ATMOSPHERIC AIR PLASMA TREATMENT OF NATURAL AND SYNTHETIC FIBRES: DEGRADATION PHENOMENA	Budapest University of Technology and Economics	poster
8.	Anna UJHELYIOVÁ; Jana GREGOROVÁ; Viera JANČOVIČOVÁ; Július ANNUS; Marcela HRICOVÁ & Mária PETKOVÁ	DYED PLA FIBRES FOR TEXTILE APPLICATIONS	Slovak University of Technology	poster
9.	Zita TOMČÍKOVÁ; Štefan KRIVOŠ & František HRBÁL'	A PLANNED EXPERIMENT FOR THE DEVELOPMENT AND PREPARATION OF PLA FIBRES WITH IMPROVED ELONGATION	Research Institute for Man-Made Fibres	poster

10.	Olena KYZYMCHUK; Svitlana ARABUL, Tilo PILLING & Liudmyla HALAVSKA	EFFECT OF A METAL WIRE ON THE STRUCTURE OF HYBRID KNITTED FABRIC	TUD Dresden University of Technology	oral
11.	Alenka OJSTRŠEK & Laura JUG Julija PUPEIKĖ, Audronė SANKAUSKAITĖ, Sandra VARNAITĖ-ŽURAVLIOVA, Vitalija RUBEŽIENĖ, Aušra ABRAITIENĖ & Julija BALTUŠNIKAITĖ- GUZAITIENĖ	SYNTHESIS AND CHARACTERISATION OF Ti3C2Tx MXENES FOR ELECTROCONDUCTIVE FUNCTIONALISATION OF TEXTILES	University of Maribor	poster
12.	Ružica BRUNŠEK, Branka VOJNOVIĆ, Jasminka BUTORAC & Petra MIHOVILOVIĆ	APPLICATION OF PEDOT: PSS FOR ELECTRICALLY CONDUCTIVE AND WEAR-RESISTANT COATING	State research institute Center for Physical Sciences and Technology, Lithuania	oral
13.	Ruzica BRUNŠEK, Ivana SCHWARZ & Anica MIOČ Manja KUREČIČ; Lidija ŠKODIČ; Darko ŠTANC; Branko NERAL; Laura BERGLEZ & Silvo HRIBERNIK	COMPARATIVE ANALYSIS OF DIFFERENT RETTING METHODS OF FLAX AND THE INFLUENCE ON THE QUALITY OF WASTEWATER	University of Zagreb Faculty of Textile Technology	only book
14.	Ahmet ÇAY; Tuğçe TÖNGÜÇ YALÇINKAYA; Mert IŞILAY; Ebru BOZACI; Gözde DUMAN TAÇ; E. Perrin AKÇAKOCA KUMBASAR; Jale YANIK Selestina GORGIEVA;	BIODEGRADATION OF BAST FIBERS	University of Zagreb Faculty of Textile Technology	only book
15.	Urška JANČIČ; Maša HREN; Janja TRČEK Urška JANČIČ; Janja TRČEK; Liliana VERESTIUC; Selestina GORGIEVA	UTILIZATION OF WASTE SILK COCOONS FOR INNOVATIVE MATERIAL PRODUCTION: A PATHWAY TOWARDS SUSTAINABLE SOLUTIONS	University of Maribor, Faculty of mechanical engineering	poster
16.	Klementina PUŠNIK ČREŠNAR; Matjaž	CARBON DIOXIDE CAPTURE OF WOOL-BASED ACTIVATED CARBON FIBERS BY CHEMICAL ACTIVATION WITH K ₂ CO ₃	Department of Textile Engineering, Faculty of Engineering, Ege University	oral
17.		GRAPE WASTE IN BACTERIAL NANOCELLULOSE PRODUCTION	Faculty of Mechanical Engineering, University of Maribor	oral
18.		BIOACTIVE BACTERIAL NANOCELLULOSE FOR ENZYMATIC BURN DEBRIDEMENT	Faculty of Mechanical Engineering, University of Maribor	poster
19.		SURFACE PROPERTY RELATIONS IN FIBRE-REINFORCED RECYCLED POLYMER MATERIAL	Faculty of Mechanical Engineering, University of Maribor	poster

20.	FINŠGAR & Lidija FRAS ZEMPLJIČ Marcin BARBURSKI; Tsegaye LEMMI; Agata PONIECKA & Rebecca EMMERICH Branka MRDULJAŠ; Marijana PAVUNC	IMPACT PROPERTIES OF NATURAL FIBER REINFORCED COMPOSITES	Lodz University of Technology	oral
21.	SAMARŽIJA; Ana BARIČEVIĆ & Edita VUJASINOVIĆ	MECHANICAL PERFORMANCE OF BASALT FIBRES UNDER ALKALINE CONDITIONS	University of Zagreb, Faculty of Civil Engineering, Department of Materials	poster
22.	Jaime C. GRUNLAN	TEXTILES WITH THERMOELECTRIC, ANTIMICROBIAL, AND/OR FLAME RETARDANT BEHAVIOR FROM AQUEOUS POLYELECTROLYTE COMPLEXES	Texas A&M University	oral

B – TEXTILE FINISHING, DYEING AND CARE

23.	Zarnab GUL; Kashif IQBAL & Daiva MILASIENE	MULTIFUNCTIONAL COCONUT OIL BASED MICROCAPSULES FOR FUNCTIONAL TEXTILE	Kaunas University of Technology	only oral
24.	Rasa GOFMAN & Rimvydas MILAŠIUS	ANTIMICROBIAL TREATMENT BEYOND MICROBES: ANTISTATIC POTENTIAL FOR ENHANCED INDUSTRIAL TEXTILE PERFORMANCE	Kaunas University of Technology	only oral
25.	Zorana KOVAČEVIĆ, Lea BOTTERI, Katia GRGIĆ	ASSESSING FLAME RETARDANT EFFECTS: IMPREGNATION VS. COATING ON COTTON FABRIC WITH UREA/AMMONIUM DYHYDROGEN PHOSPHATE	University of Zagreb Faculty of Textile Technology	poster
26.	Ines DOMINIĆ, Zorana KOVAČEVIĆ, Sandra BISCHOF	PRETREATMENTS OF ENERGY CULTURE MISCANTHUS X GIGANTEUS FOR FIBERS ISOLATION	University of Zagreb Faculty of Textile Technology	oral
27.	Bosiljka ŠARAVANJA; Tanja PUŠIĆ; Krešimir MALARIĆ & Anica HURSA ŠAJATOVIĆ	STABILITY OF EMR PROTECTIVE PROPERTIES OF FUNCTIONAL FABRIC WITH METAL THREADS	University of Zagreb Faculty of Textile Technology	poster
28.	Agata VINČIĆ; Tanja PUŠIĆ; Nino DIMITROV & David POSAVEC	DETERMINATION OF THE AMOUNT OF RELEASED FIBER MICROPARTICLES IN THE WASHING OF STANDARD POLYESTER KNITTED FABRIC	University of Zagreb Faculty of Textile Technology	poster
29.	Branko Neral, Lidija ŠKODIČ, Darko ŠTANC, Manja KUREČIČ	EVALUATION OF MOISTURE CONTENT IN HOUSEHOLD TEXTILES DURING DRYING WITH NON-CONTACT NIR SPECTROSCOPY	University of Maribor, Faculty of mechanical engineering	poster

30.	Daiva MILASIENE; Gabriele BUTENAITE & Remigijus IVANAUSKAS	COPPER-CONTAINING PARTICLES FINISHING OF INDUSTRIAL TEXTILE WASTE FOR NEW FUNCTIONAL COMPOSITES	Kaunas University of Technology	only poster
31.	Igor JORDANOV & Jovana PETKOVSKA	SUSTAINABLE MULTILAYER FINISHING OF TEXTILE MATERIAL S	Faculty of Technology and Metallurgy, Ss. Cyril and Methodius University in Skopje	oral

C – CLOTHING TECHNOLOGIES AND ENGINEERING

32.	Mia PETEŠIĆ & Renata HRŽENJAK	POSTMODERN ARCHITECTURE REPRESENTED BY A MODERN COLLECTION OF WOMEN'S BLOUSES	University of Zagreb Faculty of Textile Technology	poster
33.	Yordan KYOSEV; Anselm NAAKE	CORRELATION BETWEEN PANEL TEST AND TISSUE SOFTNESS ANALYZER REGARDING TEXTILE HANDLE FOR A TEXTILE FABRICS	TU Dresden, Chair of Development and Assembly of Textile Products	oral
34.	Snježana KIRIN & Anica HURSA ŠAJATOVIĆ Anica HURSA	INVESTIGATION OF WORK-RELATED MUSCULOSKELETAL DISORDERS IN FEMALE WORKERS DURING SEWING	Karlovac University of Applied Sciences, Department of Safety and Protection	poster
35.	ŠAJATOVIĆ, Bosiljka ŠRAVANJA, Selma IMAMAGIĆ & Paula MARKOVIĆ	SETTING STANDARD TIME FOR THE TECHNOLOGICAL PROCESS OF SEWING WOMEN LAB COAT VERA	University of Zagreb Faculty of Textile Technology	poster

D – ANALYSIS, TESTING AND QUALITY CONTROL

36.	Petra MIHOVILOVIĆ & Branka VOJNOVIĆ Niko RINTALA, Enni	THE POSSIBILITY OF USING AN AZO DYE IN THE DETERMINATION OF CHITOSAN IN TEXTILE WASTEWATERS	University of Zagreb Faculty of Textile Technology	oral
37.	ARVEZ & Paula NURMINEN	IMPROVING SEPARATION OF NATURAL FIBERS WITH SIMILAR CHEMICAL STRUCTURE UTILIZING NIRS	LAB University of Applied Science	poster
38.	Ana ČERNIAVSKAJA & Kristina ANCUTIENĖ	3D VIRTUAL FITTING TECHNOLOGY TO EVALUATE COMPRESSION IN FUNCTIONAL GARMENTS WITH ADHESIVE SYSTEMS	Kaunas University of Technolog	only poster
39.	Burhan CENGIZALP; Barış MANCAR; Güngör DURUR	TOWEL PERFORMANCE EVALUATION IN TEXTILE ENGINEERING: LOOP TENSILE FORCE ANALYSIS	DOK-SAN Textile Industry and Trade Inc. R&D Center	oral
40.	Marijana TKALEC; Martina GLOGAR, Petra FORTE TAVČER & Željko PENAVAL	FABRIC STRUCTURE – DIGITAL INKJET COLOUR REPRODUCTION ANALYSIS AND INTERACTION	University of Zagreb Faculty of Textile Technology	poster
41.	Marijana TKALEC; Ivana ČORAK & Martinia GLOGAR	ANALYSIS OF SORPTION PROPERTIES OF TEXTILE MATERIAL AS A KEY BEHAVIORAL FACTOR OF PRINTING INK IN DIGITAL INKJET PRINTING	University of Zagreb Faculty of Textile Technology	poster
42.	Marijana PAVUNC SAMARŽIJA; Martina	FIBERS IDENTIFICATION IN PAPERS ARCHIVAL MATERIALS	University of Zagreb Faculty of Textile Technology	poster

43.	MAMIĆ; Suzana NJEGAČ & Edita VUJASINOVIĆ Evelīna MILEIKA, Ilgvars GORNEVS, Vilnis JURKĀNS, Ilze BALGALE, Ilze BALTIŅA, Juris BLŪMS	DETERMINING TRIBOELECTRIC PROPERTIES OF TEXTILES	Riga Technical University	only oral
44.	Zbigniew DRACZYNSKI, Ninon LARA, Alvinton Takunda MUCHINGANI, Yigit AKCALI, Rebecca EMMERICH & Marcin BARBURSKI	MECHANICAL AND ANTI-INFLAMMATION PROPERTIES OF COMPOSITES MADE OF POLY(L-LACTIC ACID) AND FLAX NONVOWENS	Lodz University of Technology	oral
45.	Petra Eva FORTE TAVČER, Rok FINK, Andrej PODKORITNIK & Brigita TOMŠIČ	ASSESING LAUNDRY HABITS AND WASHING MACHINE CLEANLINESS IN SLOVENIAN HOUSEHOLDS	University of Ljubljana	poster
46.	Sinem BİRSEN & Canan SARIÇAM	THE COMPARISON OF COMFORT PROPERTIES OF NON-RECYCLED AND RECYCLED FABRICS	Istanbul Technical University	oral

E – DESIGN AND MARKETING OF TEXTILE AND CLOTHING

47.	Marjeta ČUK; Elena FAJT; Nastja SAGADIN GRMEK; Alenka MORE & Tanja Nuša KOČEVAR	THE STUDY ON INDUSTRY, INNOVATION AND INCLUSION IN FASHION DESIGN	University of Ljubljana	only book
48.	Sinem BİRSEN & Canan SARIÇAM ČORAK Ivana, ERCEGOVIĆ RAŽIĆ	A RESEARCH ON BIG DATA APPLICATIONS IN THE RETAIL SECTOR	Istanbul Technical University	oral
49.	Sanja, GLOGAR Martina, GATTI Cristina, GONÇALVES Pedro & VANTYGHEM Dirk	ADDRESSING SKILLS GAPS IN THE EUROPEAN TEXTILE, CLOTHING, LEATHER AND FOOTWEAR INDUSTRIES, EMPHASIZING EQUALITY, INNOVATION, AND RESILIENCE (AEQUALIS4TCLF)	University of Zagreb Faculty of Textile Technology	poster

F – SUSTAINABLE TEXTILE PRODUCTS AND PROCESSES

50.	Inga BREITMOZERĒ, Jovita DARGIENĒ, Jurgita DOMSKIENĒ	READABILITY ANALYSIS OF QR CODE APPLICATION IN INTENSE WEAR AND CARE CLOTHING LABELLING	Kaunas University of Technology	oral
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51.	Elizabeth RAMOS KALMAR	ECOFASHION LIFESTYLE: DEVELOPMENT OF CIRCULAR FASHION ACCESSORIES FOR A SUSTAINABLE FUTURE – CASE STUDY	University of Los Andes	poster
52.	Elizabeth RAMOS KALMAR	THREADS OF NATURE: MAPPING THE VARIATIONS OF NATURAL DYES FOR TEXTILES AND SUSTAINABLE DESIGN – CASE STUDY	University of Los Andes	oral
53.	Mohammad Shak SADI & Eglé KUMPIKAITÉ	TURNING WASTE INTO A RESOURCE; USING WASTE POPLAR SEED FIBERS TO DEVELOP MULTIFUNCTIONAL E-TEXTILES	Faculty of Mechanical Engineering and Design, Department of Production Engineering	only oral
54.	Ivana ŠPELIĆ, Alka MIHELIĆ-BOGDANIĆ & Lucija ŠIPRAK	ENERGY DIVERSIFICATION AND SAVINGS IN POLYISOPRENE PRODUCTION	University of Zagreb Faculty of Textile Tecghnology	poster
55.	Ivana ŠPELIĆ & Alka MIHELIĆ-BOGDANIĆ	ECOLOGICAL ADVANCES USING ECONOMIZER IN EVA RUBBER MANUFACTURING	University of Zagreb Faculty of Textile Tecghnology	oral
56.	Emília CSISZÁR, Dávid KUN, Erika FEKETE	NANOCELLULOSES FROM COTTON AND FLAX FIBRES AND THEIR PROPERTIES	Budapest University of technology and Economics	poster
57.	Edit CSANÁK	AI-SUPPORTED FASHION DESIGNING: EXPLORING SUSTAINABLE ASPECTS	Óbuda University	oral
58.	Alen ERJAVEC; Mihael BRUNČKO; Amadeja KOLER; Peter KRAJNC; Grzegorz SZPARAGA & Julija VOLMAJER VALH	MECHANICAL RECYCLING POTENTIALS OF USED DISPOSABLE SURGICAL MASKS	University of Maribor	oral
59.	Lavinia POPA & Antonela CURTEZA	THEORETICAL EXPLORATION OF UPCYCLING IN THE FASHION INDUSTRY	The “Gheorghe Asachi” Technical University of Iasi	poster
60.	Iuliana STREBA & Antonela CURTEZA	SUSTAINABLE DESIGN APPROACHES FOR THE FASHION INDUSTRY	The “Gheorghe Asachi” Technical University of Iasi	poster
61.	Silvo HRIBERNIK; Laura BERGLEZ; Selestina GORGIEVA; Lidija ŠKODIČ; Darko ŠTANC; Branko NERAL & Manja KUREČIČ	ADVANCING BACTERIAL NANOCELLULOSE PRODUCTION: FROM SCOBY MEDIUM TO ORIENTED FILAMENTS	University of Maribor, Faculty of mechanical engineering	poster
62.	Megi BASHO & Holger CEBULLA	MAXIMIZING SUSTAINABILITY: ADVANCED TECHNIQUES IN RECYCLING WOOL AND WOOL BLENDS	TU Chemnitz	oral
63.	Vasil HANDJISKI, Neja VEIT, Alen ERJAVEC & Julija VOLMAJER VALH	STUDIES ON THE ENVIRONMENTAL IMPACT OF GARDEN COVER	University of Maribor	poster
64.	Özgür CEYLAN; Nesligül KILIÇ & Emel AYDIN &	FABRICATING CHANGE: INVESTIGATING SUSTAINABLE FIBER ADOPTION IN FASHION COLLECTIONS	Eskişehir Technical University	oral

65.	Irmak TAŞ & Neslihan AK & Elçin KÜÇÜKERDEM Özgür Ceylan; Emel AYDIN; Irmak TAŞ; Nesligül KILIÇ; Neslihan AK; Ecem KARAMANLARGİL & Ecem GÖKAY	NATURALLY DYED, NATURALLY DIFFERENT: PIONEERING SUSTAINABLE DENIM WITH NATURALLY COLORED COTTON	Eskişehir Technical University	oral
66.	Andrej DEMŠAR, Matija SVETINA, Marko PAVLIHA Klementina PUŠNIK ČREŠNAR, Cláudia PEREIRA PASSOS, Dimitrios BIKIARIS, Lidija FRAS ZEMLJIČ, Athira JOHN	HOLISTIC THINKING AND ACTING	Faculty of Natural Sciences and Engineering	oral
67.		INNOVATIVE FUNCTIONAL COATINGS FROM WASTE FOR POLYMER- BASED FILMS AND FIBERS	University of Maribor	poster