

The list of the accepted abstracts for the upcoming 11th ITC&DC 2024

Authors	Title	Institution	Presentation
Plenary lecture			
Juan P. HINESTROZA	TRANSFORMING TEXTILE WASTE INTO RAW MATERIALS FOR FUNCTIONAL MOLECULES: A FEASIBLE PATH FOR CIRCULARITY	Cornell University	oral
Expert focus lecture			
Lidija FRAS ZEMLJIČ	FUNCTIONALIZATION OF POLYMER MATERIALS FOR INTRODUCTION OF BIOACTIVE PROPERTIES	University of Maribor Faculty of mechanical engineering	oral
Torsten TEXTOR	INTERDISCIPLINARY PRODUCT DEVELOPMENT IN RESEARCH AND EDUCATION - WITH SOME EXAMPLES FROM SMART TEXTILES	Hochschule Reutlingen, TEXOVERSUM Fakultät Textil	oral
A – Textile fibres and advanced materials			
Nina ČUK; Barbara SIMONČIČ; Rok FINK & Brigita TOMŠIČ	UNVEILING THE IMPACT OF COTTON SURFACE FREE ENERGY ON BACTERIAL ADHESION PROPERTIES	University of Ljubljana	oral
Klaus OPWIS & Jessica SCHNEIDER, Thomas MAYER-GALL, Jochen S. GUTMANN	TEXTILES WITH CATALYTIC PROPERTIES	Deutsches Textilforschungszentrum Nord-West gGmbH	oral
Marcus KRAHL & Sebastian JOBST	DEVELOPMENT OF 3D-STRUCTURES WITH AUXETIC MATERIAL BEHAVIOUR PRODUCTION OF INNOVATIVE, FOAM-FREE AND CURVED TEXTILES FOR ENERGY ABSORPTION	Technical University Chemnitz	poster
Emília CSISZÁR, Mik MIRANDA & Erika FEKETE	COLORLED WASTE TEXTILES AS CELLULOSE SOURCES FOR THE PRODUCTION OF NANOCRYSTALLINE CELLULOSE	Budapest University of technology and Economics	poster
Anna UJHELYIOVÁ; Kristína BANÍKOVÁ; Jozef RYBA; Marcela HRICOVÁ & Mária PETKOVÁ	EFFECT OF VARIOUS PLAs ON THE FIBRE PROPERTIES FOR TEXTILE APPLICATIONS	Slovak University of Technology	poster
Azam ALI; G M Nazmul ISLAM; & Stewart COLLIE	TEXTILE SENSOR CONSISTS OF 2D MATERIALS	University of Otago	oral
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
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
Alenka OJSTRŠEK & Laura JUG	SYNTHESIS AND CHARACTERISATION OF Ti3C2Tx MXENES FOR ELECTROCONDUCTIVE FUNCTIONALISATION OF TEXTILES	University of Maribor	poster

Julija PUPEIKĖ, Audronė SANKAUSKAITĖ, Sandra VARNAITĖ-ŽURAVLIOVA, Vitalija RUBEŽIENĖ, Aušra ABRAITIENĖ & Julija BALTUŠNIKAITĖ-GUZAITIENĖ	APPLICATION OF PEDOT: PSS FOR ELECTRICALLY CONDUCTIVE AND WEAR-RESISTANT COATING	State research institute Center for Physical Sciences and Technology, Lithuania	
Ružica BRUNŠEK, Branka VOJNOVIĆ, Jasminka BUTORAC & Petra MIHOVILOVIĆ	COMPARATIVE ANALYSIS OF DIFFERENT RETTING METHODS OF FLAX AND THE INFLUENCE ON THE QUALITY OF WASTEWATER	University of Zagreb Faculty of Textile Technology	poster
Ruzica BRUNŠEK, Ivana SCHWARZ & Anica MIOČ	BIODEGRADATION OF BAST FIBERS	University of Zagreb Faculty of Textile Technology	poster
Manja KUREČIČ; Lidija ŠKODIČ; Darko ŠTANC; Branko NERAL; Laura BERGLEZ & Silvo HRIBERNIK	UTILIZATION OF WASTE SILK COCOONS FOR INNOVATIVE MATERIAL PRODUCTION: A PATHWAY TOWARDS SUSTAINABLE SOLUTIONS	University of Maribor, Faculty of mechanical engineering	poster

B – Textile finishing, dyeing and care

Zarnab GUL; Kashif IQBAL & Daiva MILASIENE	MULTIFUNCTIONAL COCONUT OIL BASED MICROCAPSULES FOR FUNCTIONAL TEXTILE	Kaunas University of Technology	oral
Rasa GOFMAN & Rimvydas MILAŠIUS	ANTIMICROBIAL TREATMENT BEYOND MICROBES: ANTISTATIC POTENTIAL FOR ENHANCED INDUSTRIAL TEXTILE PERFORMANCE	Kaunas University of Technology	oral
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	oral
Ines DOMINIĆ, Zorana KOVAČEVIĆ & Sandra BISCHOF	PRETREATMENTS OF ENERGY CULTURE MISCANTHUS X GIGANTEUS FOR FIBERS ISOLATION	University of Zagreb Faculty of Textile Technology	oral
Bosiljka ŠARAVANJA; Tanja PUŠIČ; Krešimir MALARIĆ & Anica HURSA ŠAJATOVIĆ	STABILITY OF EMR PROTECTIVE PROPERTIES OF FUNCTIONAL FABRIC WITH METAL THREADS	University of Zagreb Faculty of Textile Technology	oral
Agata VINČIČ; Tanja PUŠIČ; 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
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

C – Clothing technologies and engineering

Mia PETEŠIĆ & Renata HRŽENJAK	POSTMODERN ARCHITECTURE REPRESENTED BY A MODERN COLLECTION OF WOMEN'S BLOUSES	University of Zagreb Faculty of Textile Technology	poster
Daiva MILASIENE; Gabriele BUTENAITE & Remigijus IVANAUSKAS	COPPER-CONTAINING PARTICLES FINISHING OF INDUSTRIAL TEXTILE WASTE FOR NEW FUNCTIONAL COMPOSITES	Kaunas University of Technology	poster
Yordan KYOSEV & Anselm NAAKE	CORRELATION ANALYSIS BETWEEN PANEL TEST AND TISSUE SOFTNESS ANALYZER(TSA) RESULTS OF TEXTILE HANDLE FOR A SET OF WOVEN FABRICS FOR CLOTHING	TU Dresden, Chair of Development and Assembly of Textile Products	oral

Jacob HOSSFELD & Yordan KYOSEV

ANALYSIS OF THE ADVANTAGES OF mSLA PRINTING ON TEXTILES

Chair of Development and
Assembly of Textile Products, ITM

oral

D – Analysis, testing and quality control

Petra MIHOVILOVIĆ & Branka VOJNOVIĆ

THE POSSIBILITY OF USING AN AZO DYE IN THE DETERMINATION OF CHITOSAN IN TEXTILE WASTEWATERS

University of Zagreb Faculty of
Textile Technology

oral

Branka VOJNOVIĆ; Petra MIHOVILOVIĆ &
Antonija IVEZIĆ

ISOLATION TECHNIQUES FOR SEPARATION OF MICROPLASTIC PARTICLES FROM
LAUNDRY EFFLEUENTS

University of Zagreb Faculty of
Textile Technology

poster

Ossi MARTIKKA; Niko RINTALA & Lea
HEIKINHEIMO

UTILIZING NIR-TECHNOLOGY FOR QUALITY ASSURANCE OF MANUAL PRE-
SORTING OF WASTE TEXTILES

LAB University of Applied Sciences

oral

Niko RINTALA & Enni ARVEZ

IMPROVING SEPARATION OF NATURAL FIBERS WITH SIMILAR CHEMICAL
STRUCTURE UTILIZING NIRS

LAB University Of Applied Science

poster

Ana ČERNIAVSKAJA & Kristina ANCUTIENĖ

3D VIRTUAL FITTING TECHNOLOGY TO EVALUATE COMPRESSION IN FUNCTIONAL
GARMENTS WITH ADHESIVE SYSTEMS

Kaunas University of Technology

poster

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

Marijana TKALEC; Martinia GLOGAR &
Petra FORTE TAVČER

FABRIC STRUCTURE – DIGITAL INKJET COLOUR REPRODUCTION ANALYSIS AND
INTERACTION

University of Zagreb Faculty of
Textile Technology

poster

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

Marijana PAVUNC SAMARŽIJA; Martina
MAMIĆ; Suzana NJEGAČ & Edita
VUJASINOVIĆ

FIBERS IDENTIFICATION IN PAPERS ARCHIVAL MATERIALS

University of Zagreb Faculty of
Textile Technology

poster

Evelīna MILEIKA, Ilgvars GORNEVS, Vilnis
JURĶĀNS, Ilze BALGALE, Ilze BALTIŅA &
Juris BLŪMS

DETERMINING TRIBOELECTRIC PROPERTIES OF TEXTILES

Riga Technical University

oral

E – Design and marketing of textile and clothing

Elena FAJT; Nastja SAGADIN GRMEK;
Alenka MORE; Marjeta ČUK & Tanja Nuša
KOČEVAR

THE STUDY ON INDUSTRY, INNOVATION AND INCLUSION IN FASHION DESIGN

University of Ljubljana

poster

Idowu DIYAOLU; Kudirat BAKARE; Iyabo
AWOYELU; Ayodeji OLUWATOPE; Abiodun
OGUNYEMI; Emmanuel ACHUKWU; Eunice
UGWU; Emmanuel ORISADARE &
Oluwayemisi ADEDEJI

ICT SOCIAL INTERFACE AND BUSINESS PERFORMANCE IN THE NIGERIAN FASHION
INDUSTRY

Obafemi Awolowo University

oral

Sinem BİRSEN & Canan SARIÇAM	A RESEARCH ON BIG DATA APPLICATIONS IN THE RETAIL SECTOR	Istanbul Technical University	oral
Urška DRAŽ	THE SUBCONCIOUS POWER OF CLOTHES	Draž studio	poster
Hitoshi TAJIMA	ISSEY MIYAKE 'CONSIDERATION OF DESIGN WORK BY THE THREE-DIMENSIONAL MOLDING'	Ueda College of Fashion	oral

F – Sustainable textile products and processes

Inga BREITMOZERÉ, Jovita DARGIENÉ & Jurgita DOMSKIENĖ	READABILITY ANALYSIS OF QR CODE APPLICATION IN INTENSE WEAR AND CARE CLOTHING LABELLING	Kaunas University of Technology	oral
Elizabeth RAMOS KALMAR	COLLECTION OF ACCESSORIES THAT ARE DEVELOPED FROM ETHICAL AND POSITIVE DESIGN THINKING WITHIN THE CIRCULAR ECONOMY	University of Los Andes	poster
Elizabeth RAMOS KALMAR	RESEARCH, DESIGN AND DEVELOPMENT OF COLOR CHART FROM NATURAL DYES FOR TEXTILES AND SUSTAINABLE DESIGN	University of Los Andes	oral
Mohammad Shak SADI & Eglė KUMPIKAITĖ	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	oral
Ivana ŠPELIĆ, Alka MIHELIĆ-BOGDANIĆ & Lucija ŠIPRAK	ENERGY DIVERSIFICATION AND SAVINGS IN POLYISOPRENE PRODUCTION	University of Zagreb Faculty of Textile Technology	oral
Ivana ŠPELIĆ & Alka MIHELIĆ-BOGDANIĆ	ECOLOGICAL ADVANCES USING ECONOMIZER IN EVA RUBBER MANUFACTURING	University of Zagreb Faculty of Textile Technology	oral
Emília CSISZÁR, Dávid KUN & Erika FEKETE	NANOCELLULOSES FROM COTTON AND FLAX FIBRES AND THEIR PROPERTIES	Budapest University of technology and Economics	poster
Sinem BİRSEN & Canan SARIÇAM	THE COMPARISON OF COMFORT PROPERTIES OF NON-RECYCLED AND RECYCLED FABRICS	Istanbul Technical University	oral
Edit CSANÁK	AI-SUPPORTED FASHION DESIGNING: EXPLORING SUSTAINABLE ASPECTS	Óbuda University	oral
Nadine KITZLINGER	SUSTAINABILITY-ORIENTIED CONSUMER EDUCATION IN FASHION AND TEXTILES	University of Education Freiburg	oral
Giulietta COZZI	MOZART AND THE MATTER OF SOUND: Between Art & Design and Marketing	Freelancer artist & designer	poster
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
Rita CARVALHAS, Gonçalo GOMES, Graça GUEDES & Gjoko MURATOVSKI	HEMP TEXTILE FIBRE — ONE WAY TO IMPROVE THE SUSTAINABILITY OF TEXTILE PRODUCTS	Universidade de Aveiro	oral
Marcin BARBURSKI; Tsegaye LEMMI; Agata PONIECKA & Rebecca EMMERICH	IMPACT PROPERTIES OF NATURAL FIBER REINFORCED COMPOSITES	Lodz University of Technology	oral
Lavinia POPA & Antonela CURTEZA	THEORETICAL EXPLORATION OF UPCYCLING IN THE FASHION INDUSTRY	The “Gheorghe Asachi” Technical University of Iasi	poster
Iuliana STREBA & Antonela CURTEZA	SUSTAINABLE DESIGN APPROACHES FOR THE FASHION INDUSTRY	The “Gheorghe Asachi” Technical University of Iasi	poster

Marijana PAVUNC SAMARŽIJA, Zorana
KOVAČEVIĆ, Matea TOLO & Edita
VUJASINOVIĆ

CHEMICAL RECYCLING OF BIOCOMPOSITES REINFORCED WITH SPARTIUM
JUNCEUM L. FIBERS

University of Zagreb Faculty of
Textile Technology

poster

Silvo HRIBERNIK; Laura BERGLEZ; 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