

10th INTERNATIONAL TEXTILE, CLOTHING & DESIGN CONFERENCE

Magic World of Textiles

PRELIMINARY PROGRAMME

Organized by:

University of Zagreb

Faculty of Textile Technology

Zagreb, Croatia

Under the Auspices of:

Ministry of Science and Education, Zagreb, HR
University of Zagreb, Zagreb, HR
Croatian Academy of Engineering, Zagreb, HR
Danube Adria Association for Automation & Manufacturing, Vienna, AT
Association of Universities for Textiles, Ghent, BE
International Federation of Knitting Technologists, Reutlingen, DE HIST,
Croatian Association of Textile Engineers, Zagreb, HR International
Technical Committee for Textile Care
TSRC, Textile Science Research Center, Zagreb, HR
The Fibre Society

Dubrovnik, CROATIA
October 2nd to October 5th, 2022



The Faculty of Textile Technology, University of Zagreb, has organised the 10th International Textile, Clothing and Design Conference in Dubrovnik, making our wish that the conference (ITC&DC) become a traditional one real. This conference is aimed at opening new roads in the development of global textiles, garment and fashion design, and to offer most recent knowledge to those who are able to use it.

Out of all the papers received, the International Review Committee has accepted 76 papers from 18 countries. They are printed in their integral form in the Book of Proceedings of the 10th ITC&DC 2022, and will be presented in one of the following sections:

- A Textile fibres and advanced materials
- B Textile finishing, dyeing and care
- C Clothing technologies and engineering
- D Analysis, testing and quality control
- E Design and marketing of textile and clothing
- F Sustainable textile products and processes.

We would like to express our sincerest thanks to all the participants for their valuable contribution and readiness to spend a part of their time in Dubrovnik, making the picture of the Magic World of Textiles more valuable and more real.

ITC&DC Team will try to do everything necessary to realise the aims of the Conference and to make all the participant feel welcome guests in Croatia.

Welcome to Dubrovnik!



ITC&DC Team



International Scientific/Programme Committee of the 10th ITC&DC 2022

President:

Zvonko DRAGČEVIĆ, University of Zagreb, Zagreb, Croatia

Vice-president:

Anica HURSA ŠAJATOVIĆ, University of Zagreb, Zagreb, Croatia

Members:

Dominique C. ADOLPHE, Université Française d'Égypte, Cairo, Egypt Azam ALI, University of Otago, Dunedin, New Zealand Antonela CURTEZA, University of lassy, lassy, Romania Chuansi GAO, Lund University, Lund, Sweeden Jelka GERŠAK, University of Maribor, Maribor, Slovenia Jaime C. GRUNLAN, Texas A&M University, Texas, United States of America Hüseyin KADOGLU, Ege University, Izmir, Turkey Branko KATALINIĆ, Vienna University of Technology, Vienna, Austria Thomas LUXBACHER, Anton Paar, Austria Malgorzata MATUSIAK, Lodz University of Technology, Lodz, Poland Rimvydas MILAŠIUS, Kaunas University of Technology, Kaunas, Lithuania Jiri MILITKY, Technical University of Liberec, Liberec, Czech Republic Fernando Batista NUNES FERREIRA, University of Minho, Guimaraes, Portugal Klaus OPWIS, German Textile Research Centre North-West, Krefeld, Germany Elizabeth RAMOS KALMAR, University of Los Andes, Bogota, Colombia Ivo SOLJAČIĆ, University of Zagreb, Zagreb, Croatia Norma STARSZAKOWNA, The London Institute, London, Great Britain George STYLIOS, Herriot-Watt University, Galashiels, Great Britain Xiaoming TAO, Hong Kong Polytechnic University, Hong Kong, China Anna UJHELYIOVÁ, Slovak Technical University, Bratislava, Slovakia Savvas G. VASSILIADIS, Technological Education Institute of Piraeus, Athenes, Greece Malgorzata ZIMNIEWSKA, Institute of Natural Fibres & Medicinal Plants, Poznan, Poland

International Review Committee of the 10th ITC&DC 2022

Azam ALI (NZ), Aleksandra ANIĆ VUČINIĆ (HR), Sandra BISCHOF (HR), Mario CETINA (HR), Edit CSANÁK (HU), Antonela CURTEZA (RO), Virginija DAUKANTIENĖ (LT), Tihana DEKANIĆ (HR), Zvonko DRAGČEVIĆ (HR), Krešimir DRAGČEVIĆ (HR), Sanja ERCEGOVIĆ RAŽIĆ (HR), Sabina FIJAN (SI), Sandra FLINČEC GRGAC (HR), Petra FORTE TAVČER (SI), Petra FRANITZA (DE), Jelka GERŠAK (SI), Jaime C. GRUNLAN (USA), Renata HRŽENJAK (HR), Anica HURSA ŠAJATOVIĆ (HR), Igor JORDANOV (MK), Romana KOREZ VIDE (SI), Sonja KOŠČAK KOLIN (HR), Zorana KOVAČEVIĆ (HR), Karlo LELAS (HR), Thomas LUXBACHER (AT), Rossane MAILDE SANTOS (BR), Jadranko MATUŠKO (HR), Daiva MIKUČIONIENĖ (LT), Rimvydas MILAŠIUS (LT), Branko NERAL (SI), Klaus OPWIS (DE), Marijana PAVUNC SAMARŽIJA (HR), Željko PENAVA (HR), Slavenka PETRAK (HR), Tanja PUŠIĆ (HR), Elizabeth RAMOS KALMAR (CO), Dubravko ROGALE (HR), Tomislav ROLICH (HR), Katarina Nina SIMNOČIČ (HR) Zenun SKENDERI (HR), Ivo SOLJAČIĆ (HR), Maja STRACENSKI KALAUZ (HR), Bosiljka ŠARAVANJA (HR), Ivana ŠPELIĆ (HR), Anita TARBUK (HR), Josip VINČIĆ (IT), Branka VOJNOVIĆ (HR), Julija VOLMAJER VALH (SI), Bojana VONČINA (SI), Zlatko VRLJIČAK (HR), Edita VUJASINOVIĆ (HR), Xungai WANG (AU)



Organizing Committee of the 10th ITC&DC 2022 (ITC&DC Team)

Tanja PUŠIĆ, Edita VUJASINOVIĆ, Bosiljka ŠARAVANJA, Ivana ŠPELIĆ, Zorana KOVAČEVIĆ, Marijana PAVUNC SAMARŽIJA. Marin ŠPERANDA. Katja GRGIĆ. Želika PAVLOVIĆ

Coordinators of the 10th ITC&DC 2022:

Section A - Textile fibres and advanced materials: Thomas LUXBACHER

Section B - Textile finishing, dyeing and care: Jaime C. GRUNLAN

Section C - Clothing technologies and engineering: Anica HURSA ŠAJATOVIĆ

Section D - Analysis, testing and quality control: Rimvydas MILAŠIUS

Section E - Design and marketing of textile and clothing: Antonela CURTEZA

Section F - Sustainable textile products and processes: Elizabeth RAMOS KALMAR

Registration desk: Ivana ŠPELIĆ & Zorana KOVAČEVIĆ

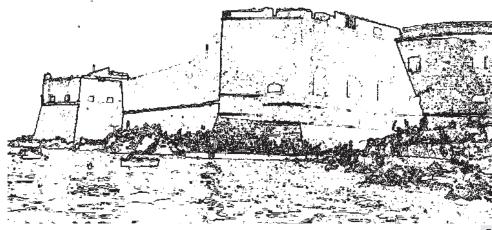
Technical assistance: Marin ŠPERANDA

GENERAL INFORMATION

10th ITC&DC 2022 will start on Sunday, October 2nd to Wednesday October 5th 2022 in the Centre for Advanced Academic Studies (CAAS) in the heart of the historic city centre of Dubrovnik (area Pile), Don Frana Bulica Street 4 (see map).

Information desk is in operation at the CAAS during the Conference. All details and necessary information on the contents and schedule of the Conference, as well as other relevant matter, will be available there for the participants and quests.

All participants during the conference should bring accreditation and appropriate tickets for individual events.





FINAL PROGRAMME

20:00 - 21:30

Sunday, October 2nd 2022, Arrival day

15:00 - 20:00 Registration	on of authors and other participants
----------------------------	--------------------------------------

19:30 – 20:00 Meeting of International Scientific Committee and Coordinators of Sections (Conference Hall 2)

(Conference Hall 2)
Welcome party (CAAS)

Monday, October 3rd 2022

,,			
08:00 - 09:00	Registration of authors and other participants		
09:00 - 09:30	Opening ceremony (Con	ference Hall 1)	
09:30 - 10:30	Plenary lecture (Conference Hall 1)		
10:30 - 11:00	Coffee break		
11:00 – 12:00	Research focus lecture (Conference Hall 1)		
13:00 – 15:00	Conference lunch (Restaurant Atrium, CAAS)		
15:00 – 17:00	Oral presentation – Section A & B		
	A1 – A7	B1 – B7	
17:00 – 18:00	Poster presentations and discussion – Section A, B and F (with refreshments)		
	AP1 – AP8	BP1 – BP13	FP1 – FP11

Evening entertainment (dance and music spectacle at Lazareti)

Tuesday, October 4th 2022

20:00 - 21:00

09:00 -10:30	GreenTEX meeting*	Oral presentation – Section D
	Greentex meeting	D1 – D6
10:30 – 11:00	Coffee break	
11:00 – 13:00	GreenTEX meeting*	Oral presentation – Section F
	Green LA meeting	F1 – F6
13:00 – 15:00	Conference lunch (Restaura	ant Atrium, CAAS)
15:00 – 17:00	Oral presentation –	Section E & F
	E1 – E2	F7 – F9
16:30 - 17:30	Poster presentations and	discussion - Section C, D & E (with refreshments)
	CP1 – CP7 DP1 – DP12 EP1 – EP5	
17:30 – 18:00	Closing ceremony (Confere	ence Hall 1)
20:00	Conference dinner (Restau	rant BANJE BEACH CLUB)

^{*}Sustainable Design and Process in Textiles for Higher Education (acronim: GreenTEX)

Wednesday, October 5th 2022

Conference Hall 1 Conference Hall 2 Conference Hall 3





Monday, October 3rd 2022

09:30 - 10:30 Plenary lecture (Conference Hall 1)

Sandra BISCHOF

Future textiles - back to the past

Chair persons: Anica HURSA ŠAJATOVIĆ & Jaime C. GRUNLAN

11:00 - 12:00 Research focus lecture (Conference Hall 1)

Tanja PUŠIĆ & Sandra BISCHOF

TSRC - Textile Science and Research Centre

Chair persons: Anica HURSA ŠAJATOVIĆ & Jaime C. GRUNLAN

15:00 – 17:00 Section A: Textile Fibres and Advanced Materials (Conference Hall 2)

Chair person: Alenka OJSTRŠEK

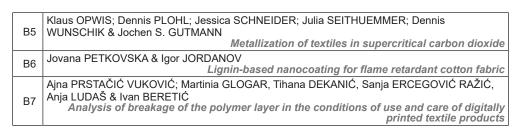
A1	Norina ASFAND; Virginija DAUKANTIENĖ Study of thermal properties of antistatic knitted fabrics
A2	Adine GERICKE; Jiří MILITKÝ; Mohanapriya VENKATARAMAN; Hester STEYN & Jana VERMAAS The effect of mask style and fabric selection on the comfort properties of fabric masks
А3	Thomas LUXBACHER From wood to regenerated cellulose fibers – a material transition accompanied by the zeta potential
A4	Jiří MILITKÝ; Vijay BAHETI; Wang YUANFENG & Daniel KARTHIK Utilization of fibrous waste for the preparation of advanced carbon materials
A5	Julija PETKEVIČIŪTĖ; Audronė SANKAUSKAITĖ; Vitalija RUBEŽIENĖ; Paulius RAGULIS & Aušra ABRAITIENĖ Structural parameters of fabric affecting performance of electromagnetic shielding textile with conductive coating
A6	Alaa SALMA; Frank GRÜNING; Sophia DIRCKS; Andrea BÖFGERS; Christine KUBE; Jochen TÜRK; Jochen S. GUTMANN & Thomas MAYER-GALL Functional adsorber fibers for the micropollutants treatment
A7	Andreas WEGO; Eui-young SHIN & Muhammad Saif MAQSOOD & Jochen S. GUTMANN Black carbon for green energy and mobiltiy. A story about polyacrylonitrile (PAN) and the use of it in carbon materials

15:00 – 17:00 Section B: Textile Finishing, Dyeing and Care (Conference Hall 3)

Chair person: Anita TARBUK

B1	Martinia GLOGAR; Tanja PUŠIĆ; Veronika LOVREŠKOV; Tea KAURIN; Nino KERMAN & Lidija SRŠAN
	VAT dye printing of inherent fire retardant fabrics
B2	Jaime C. GRUNLAN Environmentally-benign flame retardant treatments for textile
B3	Igor JORDANOV
БЭ	Intumescent flame retardant multiayer nanocoatings for synthetic fabrics
В4	Thomas MAYER-GALL; Wael ALI; Valbone SHABANI; Klaus OPWIS & Jochen S. GUTMANN Novel halogen free flame retardants





17:00 - 18:00 Poster presentation

Section A: Textile Fibres and Advanced Materials

Coordinator: Thomas LUXBACHER

AP1	Selestina GORGIEVA & Liliana VERESTIUC Gelatin enabled (bio)textiles for medical applications
AP2	Ginta LAURECKIENĖ; Md. Reazuddin REPON & Daiva MIKUČIONIENĖ Heat generation in electroconductive textile composites
AP3	K.Z.M. Abdul MOTALEB & Rimvydas MILASIUS Influence of gamma radiation on natural fabric reinforced polyester composites: studies on mechanical properties
AP4	Alenka OJSTRŠEK; Gabrijela PETEK; Nataša POKLAR ULRIH; Drago KOČAR; Mitja KOLAR; Beste ELVEREN & Manja KUREČIČ Development of bio-active nanofibrous nonwoven using emulsion electrospinning
AP5	Eui-young SHIN; Muhammad Saif MAQSOOD; Wael ALI; Andreas WEGO & Jochen S. GUTMANN Textile supercapacitors based on carbon nanofibers (CNFS) from polyacrylonirile (PAN) precursors as energy storage device
AP6	Sharof SHUKHRATOV; Rimvydas MILAŠIUS & Jahongir GAFUROV Formation and propagation of solitary waves along the thread with intense short-term exposure
AP7	Sara STRGAČIĆ & Edita VUJASINOVIĆ Sea silk - myth or reality
AP8	Anna UJHELYIOVÁ; Kristína BANÍKOVÁ; Jozef RYBA; Roderik PLAVEC; Veronika HRABOVSKÁ & Marcela HRICOVÁ Fibres from biodegradable polymers and additives for textile applications

Section B: Textile Finishing, Dyeing and Care

Coordinator: Jaime C. GRUNLAN

BP1	Olga BELUKHINA; Daiva MILASIENE & Remigijus IVANAUSKAS Influence of cyclic treatment on the cuxse layer formation on the different fibres surface
BP2	Iva BRLEK, Olivera ŠAUPERL, Tanja PUŠIĆ & Sandra BISCHOF Influence of the synthesis method on the preparation of immortelle oil microcapsules for cosmetotextiles
BP3	Tihana DEKANIĆ; Tanja PUŠIĆ; Anita TARBUK; Sandra FLINČEC GRGAC; Darko ŠTANC & Branko NERAL Hygiene effectiveness of innovated washing process for hospital textiles
BP4	Sandra FLINČEC GRGAC; Anamarija KREŠIĆ; Ana VRBIĆ; Ivana ČORAK; Anita TARBUK; Snježana BRNADA & Tihana DEKANIĆ Investigation of the possibility of binding cationized ß-cyclodextrin on cotton fabric
BP5	Remigijus IVANAUSKAS & Daiva MILASIENE Peculiarities of thin silver selenide layer formation on the polymeric fibres surface





Section F: Sustainable Textile Products and Processes

Coordinator: Elizabeth RAMOS KALMAR

FP1	Ivana ČORAK; Branka VOJNOVIĆ & Anita TARBUK Reactive black 5 removal from aqueous media using cationized cotton fabric with 3-chloro-2-hydroxypropyl-trimethylammonium chloride
FP2	lva DIVJAK; Ana ŠARAVANJA; Ana SUTLOVIĆ; Branka VOJNOVIĆ & Mario CETINA Kinetic and thermodynamic studies of Everzol black B dye adsorption on activated carbon
FP3	Martinia GLOGAR; Sanja ERCEGOVIĆ RAŽIĆ; Carla HERTLEER; Angel TERZIEV; Hassan SAEED, Silvana LAUDONI E-learning approach in the field of textile printing and functionalization, developed in a scope of the ICT-TEX project
FP4	Katarina KRNJIĆ; Branka VOJNOVIĆ; Mirjana ČURLIN; Agata VINČIĆ & Tanja PUŠIĆ Determination of microplastic particles released in the textile washing process
FP5	Kristina MARŠIĆ & Anica HUNJET Student awareness and activities in the process of textile waste management in Croatia
FP6	Alka MIHELIĆ - BOGDANIĆ & Ivana ŠPELIĆ Flue gases heat recovery in synthetic polyisoprene production
FP7	Antonio SLAVUJEVIĆ & Edita VUJASINOVIĆ Recycling of carbon fiber reinforced composites from Rimac car production
FP8	Ana SUTLOVIĆ; Anita TARBUK; Sandra FLINČEC GRGAC & Tihana DEKANIĆ Sustainability of wet textile processes
FP9	Ana ŠARAVANJA; Tihana DEKANIĆ; Ana SUTLOVIĆ & Tanja PUŠIĆ Influence of detergent type on the washfastness of polyester fabrics dyed with a dye extracted from Juglans Regia L
FP10	Ivana ŠPELIĆ; Alka MIHELIĆ - BOGDANIĆ & Ivana DOROTIĆ Comparison of energy savings applying direct vs. Indirect heating systems
FP11	Julija VOLMAJER VALH; Aleksandra LOBNIK & Bojana VONČINA Biochemical transformation of textile waste into secundary raw materials



Tuesday, October 4th 2022

09:00 - 10:30 Section D: Analysis, Testing & Quality Control (Conference Hall 3)

Chair person: Malgorzata MATUSIAK

D1	Marcin BARBURSKI &Tsegaye LEMMI Influence of thermal aging on the mechanical properties of high tenacity polyester yarn used for reinforcement conveyor belt
D2	Marcin BARBURSKI; Bethalihem SAMUEL & Ewa WITCZAK The influence of the incidence angles of sound wave on the acoustic performance of woven fabrics
D3	Sikander Abbas BASRA; Eglė KUMPIKAITĖ & Norina ASFAND Evaluation of sensorial comfort properties of different weft knitted structures
D4	Nikolina JUKL; Slavenka PETRAK; Snježana FIRŠT ROGALE & Dubravko ROGALE 3D computer design of modular clothing system and testing of its thermal properties
D5	Małgorzata MATUSIAK Investigation of surface topography of seersucker woven fabrics
D6	Tamaki MITSUNO & Wkana KONDO MIURA The effect of abdominal pressure stimulation on forearm blood flow volume

11:00 – 13:00 Section F: Sustainable Textile Products and Processes (Conference Hall 3) Chair person: Alka MIHELIĆ-BOGDANIĆ

F1	Tuser BISWAS; Junchun YU & Vincent NIERSTRASZ Digital inkjet printing of antimicrobial lysozyme on pretreted polyester fabric
F2	Ivana ČORAK & Anita TARBUK The process sustainability for polyester fabric
F3	Andrej DEMŠAR Sustainability – circular economy - education
F4	Elizabeth RAMOS KALMAR Ecokit-tex: design tool to better understand sustainability in fashion - case study
F5	Elizabeth RAMOS KALMAR Fiberland: map of the potential of sustainable textiles in Colombia
F6	Ivana ŠPELIĆ; Alka MIHELIĆ - BOGDANIĆ & Ivana DOROTIĆ Experimental analysis of gas consumption applying indirect heating in fabric drying processes

15:00 – 17:00 Section: E: Design and Marketing of Textile and Clothing (Conference Hall 2) Chair person: Daiva MIKUČIONIENE

E1	Victoria DANILA; Antonela CURTEZA; Stela BALAN Consequences of the use of improper clothing for premature children
E2	Nuran ZARİF & Özgür CEYLAN & Elçin KÜÇÜKERDEM The impact of 3D simulation software in design and product development processes



15:00 – 17:00 Section F: Sustainable Textile Products and Processes (Conference Hall 3) Chair person: Julija VOLMAJER VALH

F7	Monika MALINOWSKA-OLSZOWY & Anna LASKA-LEŚNIEWICZ Design thinking methodology in creation of innovative and sustainable textiles			
F8	Elisabeth T. PEREIRA; Margarita ROBAINA & Joana ROCHA The role of consumer in a circular economy transformation in the textile sector			
F9	Margarita ROBAINA, Elisabeth T. PEREIRA & Wesley RIBEIRO Circular economy in the textile sector: financial impacts			

16:30 - 17:30 Poster presentation

Section D: Analysis, Testing & Quality Control

Coordinator: Rimvydas MILAŠIUS

DP1	Edgaras ARBATAITIS & Daiva MIKUČIONIENE Flexible theoretical modelling of weft knitted fabrics structural parameters
DP2	Snježana BRNADA; Rajna MALINAR; Stana KOVAČEVIĆ & Laura ODAK Impact of weave on topographic characteristics of polyester /cotton fabrics before and after washing
DP3	Daniel DOMOVIĆ & Tomislav ROLICH Influence of different types of evolutionary algorithms on marker efficiency
DP4	Edita GELAZIENE; Raimonda CVILIKAITE; Audrone RAGAISIENE & Daiva MILASIENE Possibilities of compressive load effect prediction of 3D printed polymeric heels prototypes
DP5	Mateo Miguel KODRIČ KESOVIA & Željko PENAVA Determining the density of historical fabrics using the gray line profile method
DP6	Rajna MALINAR; Snježana BRNADA & Sandra FLINČEC GRGAC The influence of fabric structure properties on surface roughness and textile dust generation
DP7	Marijana PAVUNC SAMARŽIJA; Bernardo PELESK & Edita VUJASINOVIĆ Damage of high-performance hunting uniform materials - forensic evidence
DP8	Željko PENAVA; Željko KNEZIĆ; Dubravko ROGALE & Diana ŠIMIĆ PENAVA Influence of washing on the heat dissipation in electrically conductive threads woven into the fabric
DP9	Tanja PUŠIĆ, Ivo SOLJAČIĆ & Katia GRGIĆ Objective evaluation of washed cotton fabrics motivated by subjective assessment
DP10	Bosiljka ŠARAVANJA; Krešimir MALARIĆ & Tanja PUŠIĆ Shield effectiveness of functional textiles with metal content subjected to dry cleaning
DP11	Franka ŽUVELA BOŠNJAK; Sandra FLINČEC GRGAC & Kristina MARŠIĆ Economic efficiency of leather treated with zeolite after the picking process
DP12	Marcin BARBURSKI A brief introduction of the SustDesignTex



Section C - Clothing Technologies and Engineering Coordinator: Anica HURSA ŠAJATOVIĆ

CP1	Blaženka BRLOBAŠIĆ ŠAJATOVIĆ; Emma STEPHANIE GAUNT & Irena ŠABARIĆ Construction and modelling of dresses inspired by modern fashion of Japan	
CP2	Vaida BUZAITE & Daiva MIKUČIONIENE Development of 3D weft knitted structures for special purposes	
CP3	Victoria DANILA; Antonela CURTEZA; Stela BALAN Study of anthropometric data characterizing premature born children	
CP4	Renata HRŽENJAK; Slavica BOGOVIĆ & Beti ROGINA-CAR Functional design and construction of children's clothing with microbial barriers	
CP5	Snježana KIRIN; Anica HURSA ŠAJATOVIĆ & Zvonko DRAGČEVIĆ Assessment of workload in the technological sewing process	
CP6	Jelka GERŠAK Physiological responses of the human body as a criterion for evaluating the wear comfort of clothing	
CP7	Jelka GERŠAK Design of clothing manufacturing processes - A systematic approach to developing, planning and control	

Section E: Design and Marketing of Textile and Clothing Coordinator: Antonela CURTEZA

EP1	Eglė KUMPIKAITĖ; Olena NYKORAK; Erika NENARTAVIČIŪTĖ; Ludmyla HERUS; Tetiana KUTSYR, Olena KOZAKEVYCH, Daiva MILAŠIENĖ & Žaneta RUKUIŽIENĖ Comparison of décor of Lithuanian and western Ukrainian folk towels
EP2	Daiva MIKUČIONIENE & Md Reazuddin REPON Textile digitalization and digital education in the context of the European economy
EP3	Ivan NOVAK; Maja STRACENSKI KALAUZ & Kristina MARŠIĆ Brand value evaluation issues
EP4	Vesna Marija POTOČIĆ MATKOVIĆ & Ivo SOLJAČIĆ Study of advertisements in Croatian professional textile journals from 1930 to 2019
EP5	Irena ŠABARIĆ; Alison IVAŠIĆ; Franka KARIN & Blaženka BRLOBAŠIĆ ŠAJATOVIĆ Synergy of fashion and technology through 3D print





MANNER OF PRESENTATION

For the papers to be **orally presented**, presentation is limited to 15 min and 5 min for discussion after all presentation.

An PC and LCD projector will be available for the participants wishing to accompany oral presentation of their papers with a Microsoft PowerPoint presentation. **These participants are requested to submit a CD-ROM or USB stick for each paper at the registration.** The following data should be written on the CD-ROM cover:

Section, Name and Surname of the presenter, Paper title.

The CD-ROMs and USB sticks will be returned to the authors

For the papers to be **poster presented**, the posters should be prepared in 1189 mm high and 841 mm wide (A0 format). Letters should be of such a size that can be read from 1 m distance. The title is an integral part of the poster and should include:

Paper title
Name of author(s)
Institution
Address of author(s)

The posters should be on boards as follows:

- for the presentation on October 3rd in sections A, B, and F: 08:30 09:00
- for the presentation on October 4th in sections C, D and E: 08:30 09:00

After poster presentation in sections, the authors are required to remove their poster materials...

CONFERENCE FEE

Conference fee for authors and participants (in EUR):

Regular participants 550
Young scientists 400
Accompanying person 300

Participants who did not pay the registration fee by bank transfer should pay their registration fee before the beginning of the conference (possible cash/card payment in EUR or HRK at some of the banks in Dubrovnik).

Registration fee for the individual authors (both regular participants and young scientists) include access to all the sessions, conference proceedings and materials, welcome cocktail, conference lunches (2), refreshments at conference coffee breaks, official ITC&DC excursion, a ticket for the evening entertainment and a ticket for the conference dinner.

Registration fees for the accompanying persons include admission to all sections, welcome cocktail, conference lunches (2), refreshments at conference coffee breaks, official ITC&DC excursion, a ticket for the evening entertainment and a ticket for the conference dinner.

The participants are cordially invited to attend music and dance performance at Lazareti with beginning at 20:00 on October 3rd, 2022.

Conference dinner with music will be organised on October 4^{th} , 2022 at 20:00 in the Banje beach club (Frana Supila 10/B, 20000, Dubrovnik) and is included in the registration fee.

ITC&DC excursion for the authors and accompanying persons will be organised on October 5th, 2022 with departure from area Pile at 10:00 till the evening hours.





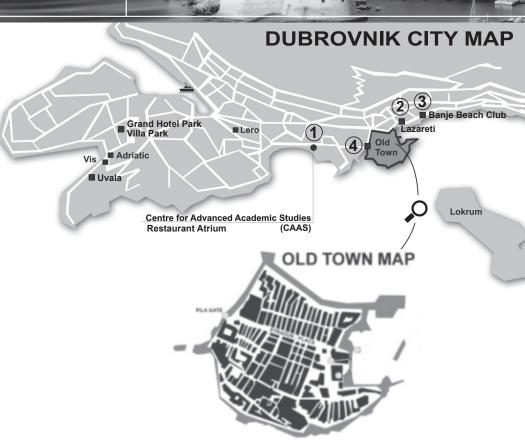
TRAVEL INFORMATION

The Dubrovnik airport (Ćilipi) is 20 km away from the town (and the Centre for Advanced Academic Studies CAAS). There is a taxi service at the airport (approx. 30 EUR), as well as a regular bus line (Atlas company: approx. 45 HRK per person – 7 EUR).

Hotels: Lero is 15 minutes walk from CAAS; Uvala, Vis, Grand hotel Park, Villa Park and Adriatic are 3 km away from CAAS (local bus line no. 4 or 45 minutes walk from CAAS).

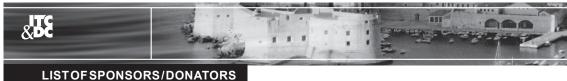
All the other relevant information on your accommodation and stay in Dubrovnik you can find in your Dubrovnik Guide, which is a part of the conference material and will be distributed to each participant.





MONDAY, October 3 rd , 2022				
1	13:00 – 15:00	CONFERENCE LUNCH (RESTAURANT ATRUIM CAAS)	41	
2	20:00	MUSIC AND DANCE SPECTACLE (LINĐO, LAZARETI)	5	
TUESDAY, October 4th, 2022				
1	13:00 – 15:00	CONFERENCE LUNCH (RESTAURANT ATRUIM CAAS)	41	
3	20:00	CONFERENCE DINNER (BANJE BEACH CLUB)	II	
WEDNESDAY, October 5th, 2022				
4	10:00	OFFICIAL ITC&DC EXCURSION (area PILE)		

We are here to welcome you!



TOTOL OF CHOCKS/PONATORS

Ministry of Science and Education, Zagreb, Croatia Croatian Association of Textile Engineers, Zagreb, Croatia

Anton Paar GmbH, Graz, Austria BCC Services, d.o.o., Zagreb, Croatia CROATA, Zagreb, Croatia Galko, Mali Bukovac, Croatia Hrvatska turistička zajednica, Croatia Jadran Tvornica čarapa d.d., Zagreb, Croatia Kap-ko, Zagreb, Croatia Krokoteks d.o.o., Sv. Ivan Zelina, Croatia Lemia d.o.o., Lučko, Croatia Odjeća d.o.o., Zagreb, Croatia Optimus Plus d.o.o., Zagreb, Croatia SALESIANER MIETTEX Lotos d.o.o., Zagreb, Croatia SPLENDOR tekstil d.o.o., Zagreb, Croatia Šešir d.o.o., Zagreb, Croatia Turistička zajednica grada Dubrovnika, Croatia Tvornica Tekstila Trgovišće, V. Trgovišće, Croatia