PRE-LIMINARY PROGRAMME

MONDAY JUNE 13

14:00 - 18:00 Registration 19:00 - 22:00 Welcome drink

TUESDAY JUNE 14

8:00 - 9:00 Registration 9:00 - 10:00 OPENING CEREMONY 10:00 - 10:10 Liška Josef

SPEECH BY DIRECTOR-GENERAL OF SYNTHESIA A.S. PARDUBICE

Plenary lectures

10:10 - 10:40 Marek, Jan (President of IFATCC and STCHK, Czech Republic)

TRADITION AND HIGH-TECH DEVELOPMENT – KEYS TO THE CHANGING TEXTILE MARKET

10:40 - 11:10 Walter, Lutz (The European Technology Platform for the Future of Textiles and Clothing, Belgium)

CAN THE EUROPEAN TEXTILE INNOVATION ECOSYSTEM SUCCESSFULLY MEET THE CHALLENGES OF RAPIDLY EVOLVING GLOBAL MARKETS?

11:10 - 11:30 Coffee break

11:30 - 11:50 Braz Costa, Antonio (CeNTI - Centre for Nanotechnology and Smart Materials, Portugal)

TEXTRANET – A SYSTEMATIC APPROACH TO THE INTERNATIONALAND INTERDISCIPLINARY INNOVATION ACTIVITIES IN TEXTILES

11:50 - 12:10 Zschenderlein, Dirk (CeNTI - Centre for Nanotechnology and Smart Materials, Portugal)

CHALLENGE FUTURE - INDUSTRIE 4.0 IN THE TEXTILE INDUSTRY

12:10 - 12:40 Beran, Miloš (ČTPT and CLUTEX, Czech Republic)

COLLECTIVE RESEARCH IN THE CZECH REPUBLIC – INFLUENCE OF CLUTEX AND ČTPT TO INTENSIFY THE RDI ACTIVITIES IN CZECH TEXTILE AND CLOTHING INDUSTRY

12:40 - 14:00 Lunch and POSTERS section

SECTION 1 - Advanced fibres

14:00 - 14:20 Zápotocký, Vojtěch (Contipro Pharma a.s., Czech Republic)

NEW MEDICAL STAPLE MICRO-FIBRES

14:20 - 14:40 Pitucha, Tomáš (Contipro Pharma a.s., Czech Republic)

 $MANUFACTURING, TEXTILE\ PROCESSING\ AND\ PROPERTIES\ OF\ HYALURONAN\ BASED\ MONOFILAMENT\ FIBERS$

14:40 - 15:00 Pokorný, Marek (Contipro Pharma a.s., Czech Republic)

KEY ASPECTS OF ELECTROSTATIC SPINNING OF BIO-POLYMER NANOFIBRES

Kenthan Katain (Centing Bistock Cook Boundia)

15:00 - 15:20 Knotkova, Katerina (Contipro Biotech, Czech Republic)

SCALE-UP OF 4SPIN TECHNOLOGY

15:20 - 15:40 Abdel-lattif, Abdel-Mohsen (CEITEC-BUT University, Czech Republic)

 ${\tt NOVEL\ CHITIN/CHITOSAN-GLUCAN\ WOUND\ DRESSING:\ ISOLATION,\ CHARACTERIZATION\ AND\ MEDICAL\ APPLICATIONS}$

15:40 - 16:10 Coffee break

16:10 - 16:30 Kubáč, Lubomír (Centre for Organic Chemistry Ltd., Czech Republic)

CONDUCTIVE POLYMERS – MATERIALS FOR SMART TEXTILE SYSTEMS

16:30 - 16:50 Khajeh Mehrizi, Mohammad (Yazd University, Iran)

NANOFIBROUS SCAFFOLDS FROM ELECTROSPUN COMPOSITE NANOFIBERS

16:50 - 17:10 Kimmer, Dušan (SPUR a.s., Czech Republic)

MODELING AND PREPARATION OF NANOFIBRE AND COMPOSITE NANOSTRUCTURES

17:10 - 17:30 Mousavi Shoushtari, Ahmad (Amirkabir University of Technology, Iran)

 ${\tt FABRICATION\ OF\ MULTI-WALLED\ CARBON\ NANOTUBES/POLYVINYLPYRROLIDONE\ COMPOSITE\ NANOFIBERS\ FOR\ EMI\ SHIELDING\ APPLICATION\ AP$

17:30 - 17:50 Barani, Hossein (Uinversity of Biriand, Iran)

ANTIBACTERIAL POLY-L-LACTIDE ACID / POLYVINYL ALCOHOL NANOFIBROUS HYBRID YARNS

XXIV International C	Congress IFATCC June
	SECTION 2 - Dyes and dyeing
14:00 - 14:30	
	ADDED-VALUE PRODUCTS FOR SUSTAINABLE TEXTILE DEVELOPMENTS IN EGYPT
14:30 - 15:00	
45.00 45.20	GLOBAL SCENARIO OF TEXTILE DYESTUFFS
15:00 - 15:20	Erkan, Gökhan (Dokuz Eylül University, Turkey)
15:20 - 15:40	THE INVESTIGATION OF POSSIBLE USE OF OLIVE OIL PRODUCTION WASTES IN WOOL DYEING Estanó Núria (Archroma Distribution and Management Gormany Comb.) (Archroma Distribution and Management Gormany Comb.)
15:20 - 15:40	Estapé, Núria (Archroma Distribution and Management Germany GmbH, Austria) ARCHROMA'S EARTHCOLORS
15:40 - 16:10	
16:10 - 16:30	Gomes, Jaime (University of Minho, Portugal)
	DEVELOPMENT ON DYEING AND PRINTING WITH DYES IN NANOPARTICLES
16:30 - 16:50	Agnhage, Tove (ENSAIT-GEMTEX, France)
	DYEING OF POLYESTER FABRIC WITH BIOBASED DYE AND ASSESSMENT OF ENVIRONMENTAL IMPACTS USING LCA TOOL
16:50 - 17:10	Martinková, Lenka (INOTEX spol. s r.o., Czech Republic)
	ALTERBIO – ENVIRONMENT FRIENDLY FUNCTIONAL BARRIER TEXTILES BASED ON PHOTOACTIVE PTHALOCYANINE DYEINGS
17:10 - 17:30	Karadag, Recep (Marmara University, Faculty of Fine Arts, Turkey)
	SUSTAINABILITY OF NATURAL DYES NOWADAYS
17:30 - 17:50	Moldovan, Simona (AITEX, Spain)
	DEMONSTRATION OF NEW NATURAL DYES FROM ALGAE AS SUBSTITUTION OF SYNTHETIC DYES ACTUALLY USED BY TEXTILE INDUSTRIES, SEACOLORS PROJECT
	SECTION 3 - Functional textiles (nano)
14:00 - 14:20	Militký, Jiří (Technical University of Liberec, Czech Republic)
	LIGHT SIDE EMITTING TEXTILE STRUCTURES
14:20 - 14:40	Tunáková, Veronika (Technical University of Liberec, Czech Republic)
44.40 45.00	ADVANCED TEXTILES WITH ENHANCED ELECTRICAL CONDUCTIVITY
14:40 - 15:00	Bele, Vijay (Technical University of Liberec, Czech Republic)
15:00 - 15:20	DEVELOPMENT OF SELF REINFORCED POLYPROPYLENE COMPOSITES FROM POLYPROPYLENE MICRO POWDER Positivescent Arguin Prince (Technical University Liberts Crack Populatio)
15:00 - 15:20	Periyasamy, Aravin Prince (Technical University Liberec, Czech Republic) OPTICAL PROPERTIES OF PHOTOCHROMIC PIGMENT INCORPORATED FABRICS: INFLUENCE OF PIGMENT CONCENTRATIONS
15:20 - 15:40	Rástočná Illová, Dana (VÚTCH-CHEMITEX, spol. s r.o., Slovakia)
13.20 - 13.40	NANOMATERIALS AND INNOVATIVE TECHNOLOGIES IN TEXTILE INDUSTRY
15:40 - 16:10	Coffee break
	SECTION 4 - Production sustanability tools
16:10 - 16:30	Gebhardt, Rainer (Saxon Textile Research Institut Chemnitz (STFI), Germany)
	MASS CUSTOMIZED PRODUCTS - CHALLENGES TO THE TEXTILE INDUSTRY FOR TOMORROW'S PRODUCTION
16:30 - 16:50	Moldovan, Simona (AITEX, Spain)
	DEMONSTRATION OF CYCLODEXTRIN TECHNIQUES IN TREATMENT OF WASTE WATER IN TEXTILE INDUSTRY TO RECOVER AND REUSE TEXTILE DYES
16:50 - 17:10	Braz Costa, Antonio (CeNTI - Centre for Nanotechnology and Smart Materials, Portugal)
	ENHANCED LIGHT RESPONSIVE FIBRES FOR THERMAL APPLICATIONS
17:10 - 17:30	Erth, Holger (Textilausruestung Pfand GmbH, Germany)
	REQUIREMENTS FOR R&D IN DIFFERENT TECHNICAL APPLICATIONS
17:30 - 17:50	Chybová, Olga (INOTEX spol. s r.o., Czech Republic)
	"ECWRTI" AND "SET" – THE PROJECTS SUPPORTING THE EFFICIENT USE OF RESOURCES IN TEXTILE INDUSTRY
17:50 - 18:10	Kupka, Karel (TriloByte Statistical Academy, Czech Republic)
	MODELING OF MULTICOMPONENT TEXTILE WASTE RECYCLING
20:00 - 24:00	Social Front at The Parduhire Chatagu
20.00 - 24.00	Social Event at The Pardubice Chateau
WF	DNESDAY JUNE 15
WL	Plenary lectures
9:00 - 9:30	Vermandel, Fanny (DyStar Colours Distribution GmbH, Germany)
2 2 2.50	DyStar's CONTRIBUTION TO INNOVATION & BAT FOR THE TEXTILE INDUSTRY
9:30 - 10:00	Aneja, Arun (East Carolina University, USA)
	TOWARDS A CIRCULAR ECONOMY IN TEXTILES: RESYNTEX AND THE EUROPEAN UNION
10:00 - 10:30	Hinestroza, Juan P. (Cornell University, USA)
	TEACHING COTTON NEW TRICKS: MOLECULAR STRATEGIES FOR CREATING SMART FIBERS VIA MANIPULATION OF NANOSCALE PHENOMENA
10:30 - 11:00	Coffee break
11:00 - 11:20	Gedanken Abaren (Raz-llan University Israel)

9:00 - 9:30	Vermandel, Fanny	(DyStar Colours Distribution GmbH, Germany)
	DyStar's CONTRIBUTION	N TO INNOVATION & BAT FOR THE TEXTILE INDUSTRY
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10:30 - 11:0	O Coffee break	
11:00 - 11:3	Gedanken, Aharon	(Bar-Ilan University, Israel)
	MAKING THE HOSPITAL	A SAFER PLACE BY THE SONOCHEMICAL COATING OF THE TEXTILES WITH ANTIBACTERIAL NANOPARTICLES
11:30 - 12:0	O Hirogaki, Kazumasa	(University of Fukui, Japan)
	SYNTHESIS OF NANO-PO	DROUS ARAMID AEROGEL FIBRE THROGH SUPERCRITICAL DRYING
12:00 - 13:0	O Lunch and POSTERS sec	tion

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	SECTION 5 - Efficient processing / Testing
13:00 - 13:20	
	NOVEL METHOD OF IN-LINE COLOR MEASUREMENT
13:20 - 13:40	Kämpf, Karin (Lenzing AG, Austria)
	TENCEL® COMBIPOLISH PROCESS AN ALTERNATIVE FINISHING FOR TENCEL®/ COTTON JERSEY
13:40 - 14:00	Khajeh Mehrizi, Mohammad (Yazd University, Iran)
	ALLICIN-CONJUGATED NANOCELLULOSE AS A FINISHING FOR IMPARTING ANTIBACTERIAL PROPERTIES TO POLYESTER AND CELLULOSE-POLYESTER FABRICS
14:00 - 14:20	Erdogan, Umit Halis (Dokuz Eylul University, Turkey)
	CELLULOSE FROM WASTE JUTE FIBERS: EXTRACTION AND CHARACTERIZATION
14:20 - 14:40	Quill, Jeffrey (Q-LAB Corp., USA)
	ESSENTIALS OF LIGHT STABILITY TESTING OF TEXTILES
14:40 - 15:00	Olschewski, Fred (DATACOLOR GmbH, Germany)
	COLOR COMMUNICATION IN TEXTILE AND AUTOMOTIVE SUPPLY CHAINS
15:00 - 15:20	Zahour, Sélim (University and INSA of Rouen / PEG S.A.S, France)
	PHYSICAL CHARACTERIZATION OF A SHEATH/CORE LOW MELT POLYESTER FIBRE USED IN THERMAL INSULATION NONWOVENS
15:20 - 15:40	Coffee break
15:40 - 16:00	Křemenáková, Dana (Technical University of Liberec, Czech Republic)
	PREDICTION OF TEXTILE STRUCTURES' THERMAL COMFORT
16:00 - 16:20	Thilagavathi, Govindharajan (PSG College of Technology, India)
	DESIGN AND DEVELOPMENT OF EMBROIDERED TEXTILE ELECTRODES FOR ECG AND BREATH RATE MEASUREMENT
16:20 - 16:40	Arumugan, Veerakumar (Technical University of Liberec, Czech Republic)
	EFFECT OF 3-DIMENSIONAL KNITTED SPACER FABRIC CHARACTERISTICS ON ITS THERMAL AND COMPRESSION PROPERTIES
16:40 - 17:00	Thilagavathi, Govindharajan (PSG College of Technology, India)
	INVESTIGATIONS ON ACOUSTIC PROPERTIES OF COIR AND LUFFA FIBROUS MATS
17:00 - 17:20	Nasadil, Petr (Textile Testing Institute, Czech Republic)
	SYMBIOSIS OF APPLIED RESEARCH AND TECHNICAL STANDARDISATION
17:20 - 17:40	Visileanu, Emilia (INCDTP, Romania)
	CORRELATIONS OF THE CHARACTERISTICS OF WORK UNIFORMS
	SECTION 6 - Efficient dyestuff's application / Testing
13:00 - 13:20	Zhong/Yang, Bowen/ C.D. (Cooltrans/OGD, China/Taiwan)
	ECO-FRIENDLY COOL TRANSFER PRINTING TECHNOLOGY FOR POLYAMIDE FABRIC
13:20 - 13:40	Tolksdorf, Peter (A. Monforts Textilmaschinen GmbH & Co.KG, Germany)
	CONTROLLED MINIMAL APPLICATION ON KNITWEAR
13:40 - 14:00	Sirbiladze, Konstantine (Akaki Tsereteli State University, Georgia)
	LIGHT STABILIZATION OF REACTIVE AZO DYES BY SCREENING OF THE PHOTOCHEMICALLY ACTIVE LIGHT
14:00 - 14:20	Mauro, Fassi (LORIS BELLINI SRL, Italy)
	PULSAR: A TRUE REVOLUTION IN YARN PACKAGE DYEING TECHNOLOGY
14:20 - 14:40	Khan, Nayab (Technical University of Liberec, Czech Republic)
	COMPARISON OF DIFFERENT METHODS USED FOR THE COLOR MEASUREMENT OF COTTON
14:40 - 15:00	Korger, Michael (Hochschule Niederrhein - University of Applied Sciences, Germany)
	FUNCTIONALIZATION OF TEXTILES USING 3D PRINTING – ADD-ON TECHNOLOGY FOR TEXTILE APPLICATIONS TESTING NEW MATERIAL COMBINATIONS
15:00 - 15:20	Yildirim, Bekir (Erciyes University, Turkey)
	COLOUR SEGMENTATION IN YARN-DYED WOVEN FABRIC IMAGES BY USING K-MEANS CLUSTERING
15:20 - 15:40	Coffee break
	SECTION 7 - Sustainable processing
15:40 - 16:00	Němec, Martin (Synthesia a.s., Czech Republic)
	THE FUTURE OF ORGANIC COLORANTS IN CZECH REPUBLIC, INFLUENCE OF EU LEGISLATION, END-USERS REQUIREMENTS AND STANDARDS
16:00 - 16:20	Patra, Arun (The Technological Institute of Textile & Sciences, India)
	COMPARATIVE STUDY OF DYEING PERFORMANCE OF SOYBEAN FIBRE AND WOOL
16:20 - 16:40	Ruse, Mircea (ICECHIM, Romania)
	AMPHIPHILIC POLYMERIC MICROCOMPOSITES FOR NATURAL FIBERS DYEING
16:40 - 17:00	Surdu, Lilioara (INCDTP, Romania)
	COMPARATIVE LIFE CYCLE ASSESSMENT STUDY FOR DLASMA AND CONVENTIONAL TREATED FARRICS

COMPARATIVE LIFE CYCLE ASSESSMENT STUDY FOR PLASMA AND CONVENTIONAL TREATED FABRICS

(Textile Company Biliński, Poland)

TWO SUSTAINABLE DEVELOPMENTS OF THE CHEMICAL WASTEWATER TREATMENT IN TEXTILE FINISHING

TEXTILE WASTEWATER TREATMENT SYSTEM BASED ON THE IDEA OF CLOSED WATER CIRCUIT IN THE TEXTILE COMPANY BILIŃSKI POLAND

17:00 - 17:20 Nagy, Henrietta J. (Budapest University of Technology and Economics, Hungary)

17:20 - 17:40 Bilińska, Lucyna

SECTION 8 - Surface textile treatment

13:00 - 13:20 Perwuelz, Anne (ENSAIT, France)

HYDROPHILIC TO SUPERHYDROPHILIC PET TEXTILE SURFACES

13:20 - 13:40 Haji, Aminoddin (Islamic Azad University, Birjand Branch, Iran)

IMPROVED ATTACHMENT OF TITANIUM DIOXIDE NANOPARTICLES ON COTTON FABRIC USING PLASMA TREATMENT AND CHITOSAN COATING

13:40 - 14:00 Canal, Jose M. (UPC (Polytechnical Univerity of Catalonia), Spain)

LOW-TEMPERATURE PLASMA TREATMENTS IN THE DESIGN OF POLYPROPYLENE SURGICAL MESHES FOR HERNIA REPAIR

14:00 - 14:20 Haji, Aminoddin (Islamic Azad University, Birjand Branch, Iran)

EFFECT OF OXYGEN AND NITROGEN PLASMA TREATMENTS ON NATURAL DYEING AND TENSILE POPERTIES OF SILK YARN

14:20 - 14:40 Grancaric, Ana Marija (University of Zagreb, Croatia)

ELECTROKINETIC PHENOMENA OF 3-AMINOPROPYLTRIETHOXYSILANE-BASED COTTON FINISHING

14:40 - 15:00 Haji, Aminoddin (Islamic Azad University, Birjand Branch, Iran)

PLASMA AND CHITOSAN TREATMENTS FOR IMPROVEMENT OF NATURAL DYEING AND ANTIBACTERIAL PROPERTIES OF COTTON AND WOOL

15:00 - 15:20 Mousavi Shoushtari, Ahmad (Amirkabir University of Technology, Iran)

EFFECT OF OXYGEN PLASMA ON SURFACE PROPERTIES AND ADHESION OF CARBON FIBERS TO EPOXY RESIN

15:20 - 15:40 Coffee break

SECTION 9 - Emerging technologies

15:40 - 16:00 Martí, Meritxell (Institute of Advanced Chemistry of Catalonia (IQAC-CSIC), Spain)

NEW WOOL DRY SCOURING PROCESS

16:00 - 16:20 McNeil, Steven (AgResearch, New Zealand)

TECHNOLOGIES TO ENHANCE THE ENVIRONMENTAL PROFILE OF WOOL FLOORCOVERINGS

16:20 - 16:40 Terzioglu, Fikret (Hochschule Niederrhein - Research Institute for Textile and Clothing (FTB), Germany)

FUNCTIONAL AND ENERGY EFFICIENT TEXTILE COATING SYSTEMS BY RADIATION INITIATED PHOTOPOLYMERIZATION OF MULTI-FUNCTIONAL ACRYLIC ESTERS

16:40 - 17:00 Lungwitz, Ralf (Saxon Textile Research Institut Chemnitz (STFI), Germany)

UV-LED-CURABLE COATINGS FOR TECHNICAL TEXTILES - AN ECOLOGICAL AND ENERGY EFFICIENT TECHNOLOGY

17:00 - 17:20 Ruano, Marta (LEITAT Technological Center, Spain)

INNOVATIVE ENCAPSULATION PROCEDURES OF BIOCIDES FOR APPLICATION IN TEXTILE PROTECTION AGAINST BEDBUGS AND TICKS

17:20 - 17:40 Csiszár, Emilia (Budapest University of Technology and Economics, Hungary)

PRODUCTION AND PROPERTIES OF NANOCELLULOSE WHISKERS PREPARED FROM BLEACHED CELLULOSIC FIBRES

19:30 - 23:00 Evening Party at the Kunětická Hora Castle

THURSDAY JUNE 16

Plenary lectures

9:00 - 9:30 Hu, Junyan (Hong Kong Polytechnic University, Hong Kong)

FABRIC TOUCH COMFORT TESTER: A NEW APPROACH FOR FABRIC-SKIN TOUCH COMFORT CHARACTERIZATION

9:30 - 10:00 Tempesti, Aldo (TexClubTec, Italy)

NEW HORIZONS OF THE ITALIAN TEXTILE AND CLOTHING INDUSTRY

10:00 - 10:30 Nousiainen, Pertti (Tampere University of Technology, Finland)

NEW ROUTES FROM CELLULOSE TO TEXTILE FIBER AND READY PRODUCTS

10:30 - 11:00 Coffee break

11:00 - 11:30 Filarowski, Andrew (Society of Dyers and Colourists, UK)

A MODEL OF EDUCATION FOR YOUNG PEOPLE WORKING IN A DYEHOUSE

11:30 - 12:00 Tajitsu, Yoshiro (Kansai University, Japan)

SMART PIEZOELECTRIC FABRIC AND ITS APPLICATION

12:00 - 12:30 Van Parys, Marc (UNITEX - TexZeppelin, Belgium)

EMERGING TECHNOLOGIES FOR THE TEXTILE FACTORY OF THE FUTURE

12:30 - 13:30 Lunch and POSTERS section

SECTION 10 - Functionalisation

13:30 - 13:50 Rosace, Giuseppe (University of Bergamo, Italy)

NEW HALOGEN-FREE AND ENVIRONMENTALLY-FRIENDLY FLAME RETARDANT FINISHING FOR POLYESTER FABRICS

13:50 - 14:10 Erkan, Gökhan (Dokuz Eylül University, Turkey)

ENCAPSULATION OF HYPERICUM PERFORATUM L. AND SANTALUM ALBUM L. OILS BY SPRAY DRYING AND THEIR APPLICATIONS IN TEXTILES

14:10 - 14:30 Rovira, Angels (LEITAT Technological Center, Spain)

INNOVATIVE FUNCTIONAL FINISHES FOR TEXTILES AGAINST BEDBUGS AND TICKS

14:30 - 14:50 Coffee break

14:50 - 15:10 Janíčková, Martina (INOTEX spol. s r.o., Czech Republic)

DEVELOPMENT OF TICK REPELLENT PROTECTIVE TEXTILE MATERIALS

15:10 - 15:30 Hanczvikkel, Adrienn (Óbuda University, Hungary)

SURVIVABILITY OF HIGH RISK, MULTIRESISTANT BACTERIA ON COTTON TREATED WITH COMMERCIALLY AVAILABLE ANTIMICROBIAL AGENTS

15:30 - 16:30 CLOSING CEREMONY

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