

## PRELIMINARY PROGRAM

October 11 <sup>th</sup> , 2017		
14.00 – 18.00	AUTEX Meeting - EXPO (second floor)	
18.00 – 22.00	Get-together, Restaurant “Gesi Puch”	
October 12 <sup>th</sup> , 2017		
8.00 – 9.00	Registration	
9.00 – 9.15	Opening ceremony	
9.15 – 10.15	Plenary session with keynote speakers, Chairmen: <b>Katarzyna Grabowska</b>	
9.15 – 9.45	Jiří Militký	SELECTED APPLICATIONS OF LINEAR COMPOSITES WITH SIDE EMITTING OPTICAL FIBRES
9.45 - 10.15	Tarek M. Abou Elmaaty	FACILE AIR PLASMA-INDUCED GRAFT POLYMERIZATION PROCESS TO CONCLUDE ACTIVE GROUPS ON POLYSULFONE FILM SURFACE WITH PERMANENT HYDROPHILICITY
10.15 – 11.30	Session I – 3D Design, Chairmen: <b>Jeffrey Silberman, Eugenia Strazdiene</b>	
10.15 – 10.30	Nazanin Ansari, Sybille Krzywinski	3D DESIGN AND SIMULATION METHODS FOR THE DEVELOPMENT OF FUNCTIONAL SPORTSWEAR - WINGSUIT
10.30 – 10.45	Marzieh Javadi Toghchi, Pascal Bruniaux, François Dassonville, Christine Campagne, Aurélie Cayla	3D MORPHOLOGY STUDY ON PREGNANT WOMAN BODY SHAPE IN ORDER TO DESIGN A COMFORT ELECTROMAGNETIC SHIELDING GARMENTS FOR GESTATION PERIOD
10.45 – 11.00	Yordan Kyosev, Priscilla Reiners	FEM SIMULATION OF THE DEFORMATION OF TROUSERS OVER THE THIGH DEPENDING ON DIFFERENT CLOTHING PATTERN
11.00 – 11.15	Maneesh Kumar Mishra, Balkiss Hamad	STUDYING FOOT MORPHOLOGIES OF HUMAN USING 3D CLASSIFICATION METHOD
11.15 – 11.30	Mulat A. Abteu, François Boussu, Pascal Bruniaux	EXPERIMENTAL INVESTIGATION OF 3D WARP INTERLOCK FABRIC FORMING CAPABILITIES TO DESIGN A FEMALE SOFT BODY ARMOUR
11.30 – 12.00	Coffee break	
12.00 – 13.00	Session II – Protective clothing, Chairmen: <b>Grażyna Bartkowiak, Kalev Kuklane</b>	
12.00 – 12.15	Anna Dąbrowska, Magdalena Młynarczyk, Grażyna Bartkowiak, Andrzej Sobolewski, Anna Marszałek, Joanna Bugajska,	PROTECTIVE CLOTHING AND UNDERWEAR WITH VENTILATION SYSTEM FOR MINE RESCUERS: A CASE STUDY

	Krzysztof Łęzak, Krzysztof Makowski, Sylvia Krzemińska	
12.15 – 12.30	A. Cichocka, I. Frydrych, P. Gilewicz	APPLICATION OF THERMAL MANNEQUIN IN EVALUATION OF PROTOTYPE OF FOUNDRY WORKER CLOTHING
12.30 – 12.45	Sena Terliksiz, Selin Hanife Eryuruk	WINTER PROTECTIVE CLOTHING
12.45 – 13.00	Justyna Dominiak, Zbigniew Stempień	BALLISTIC PERFORMANCE OF THE BIAXIAL AND TRIAXIAL ARAMID WOVEN FABRICS
<b>13.00 – 14.00</b>	<b>Lunch</b>	
<b>14.00 – 15.15</b>	<b>Session III – Comfort, Chairmen: Lubos Hes, Malgorzata Matusiak</b>	
14.00 – 14.15	Martin Harnisch, Bianca-Michaela Woelfling, Miriam Scheffelmeier, Christine Loercher, Edith Claßen	CHARACTERIZATION OF HEAT STORAGE PROPERTIES OF TEXTILES INCORPORATING PHASE CHANGE MATERIALS USING HEAT RELEASE TESTER WATSON
14.15 – 14.30	Mohanapriya Venkataraman, Xiaoman Xiong, Kasthuri Venkatesh, Rajesh Mishra, Dana Kremenakova, Jiri Militky	THERMAL INSULATION WITH AEROGEL BASED NANOFIBROUS MEMBRANES
14.30 – 14.45	Magdalena Młynarczyk	THE INFLUENCE OF THE AIR VELOCITY ON THE EVAPORATIVE RESISTANCE OF CLOTHING – THERMAL MANIKIN RESEARCH
14.45 – 15.00	Wioleta Serweta, Zbigniew Olejniczak, Bogusław Woźniak	INFLUENCE OF THE THERMAL AND HUMIDITY PROPERTIES OF MULTI – LAYERED LINING FABRICS ON A MICROCLIMATE OF LEATHER FOOTWEAR
15.00 – 15.15	Lubos Hes, Monika Bogusławska- Bączek	COMPARING THERMAL COMFORT PROPERTIES OF DRY AND WET FUNCTIONAL UNDERWEAR MADE OF SYNTHETIC AND NATURAL FIBRES
<b>19.00 – 22.00</b>	<b>Gala dinner, Restaurant “Gęsi Puch”</b>	
<b>October 13<sup>th</sup>, 2017</b>		
<b>9.00 -10.00</b>	<b>Plenary Lecture with Keynote speakers, Chairmen: Iwona Frydrych</b>	
9.00 – 9.30	Svitlana Karvan	THE NEW POLYMERIC COATING FOR PROTECTIVE COMBAT CLOTHING
9.30 – 10.00	Lubos Hes	THERMOPHYSIOLOGICAL AND BARRIER PROPERTIES OF SPORT AND PROTECTIVE CLOTHING IN WET STATE

<b>10.00 – 11.15</b>	<b>Session IV – Comfort, Chairmen: Jiri Militky, Malgorzata Zimmiewska</b>	
10.00 – 10.15	Dana Křemenáková, Jiří Militký, Jakub Lang, Rajesh Mishra	COMPLEX EVALUATION OF SPORTSWEAR THERMAL COMFORT UNDER SIMULATED CONDITIONS
10.15 – 10.30	Priscilla Reiners	DEPENDENCE OF THE CLOTHING COMFORT PROPERTIES OF LINEN FABRICS FROM THEIR MOISTURE CONTENT
10.30 – 10.45	Witkowska Beata, Jasińska Izabela	THE EVALUATION OF MICROCLIMATE COMFORT PROPERTIES UNDER INTENSE ENERGY EXPENDITURE CONDITIONS – THE TREADMILL TEST
10.45 – 11.00	Dita Kráčalová, Zdeňka Ledrová, Jiří Procházka, Anna Pinar, Romualda Koźmińska, Katarzyna Śledzińska	THE INFLUENCE OF THE SPACER FABRIC STRUCTURE ON THE THERMO - PHYSIOLOGICAL COMFORT
11.00 – 11.15	Krzysztof Makowski, Tomasz Tokarski	THE EFFECT OF THE USE OF CUSTOMIZED INSERTS ON THE FOOT PRESSURE DISTRIBUTION AND FOOTWEAR COMFORT
<b>11.15 – 11.45</b>	<b>Coffee break</b>	
<b>11.45 – 13.00</b>	<b>Session V – Ecotextiles, Chairmen: Arun Pal Aneja, Dana Kremenakova</b>	
11.45 – 12.00	Jeffrey Silberman	FARM TO FASHION: FINDING NICHE MARKETS FOR CELLULOSIC FIBERS IN SMALL-SCALE FARMING
12.00 – 12.15	Malgorzata Zimmiewska	PRO-HEALTHY ASPECTS OF CLOTHING MADE OF FLAX FIBERS
12.15 – 12.30	Gilda Santos, Ana Barros, Augusta Silva, José Morgado, Rosa Silva, Sandra Sampaio	DEVELOPMENT OF ECO-TECHNO FASHION
12.30 – 12.45	Katarzyna Schmidt-Przewoźna	TECHNOLOGY AND COLOUR ANALYSIS OF BLOCK PRINTING - WEST AND EAST TRADITION
12.45 – 13.00	Małgorzata Zimmiewska, Izabella Krucińska, Iwona Frydrych, Przemysław Mikołajczak, Katarzyna Schmidt-Przewoźna, Mariola Pawlaczyk, Agnieszka Komisarczyk, Agnieszka Cichocka, Monika Urbaniak, Lucyna Herczyńska, Stanisława Kowalska, Małgorzata Muzyczek, Barbara Romanowska	EVALUATION OF LIFE CYCLE OF FUNCTIONAL CLOTHING

<b>13.00 – 14.00</b>	<b>Lunch</b>	
<b>14.00 – 14.30</b>	<b>Poster session</b>	
<b>14.30 – 15.45</b>	<b>Session VI – E-textiles, Chairman:, Tarek M. Abou Elmaaty, Svitlana Karvan</b>	
14.30 – 14.45	Evangelos Louris, G. Priniotakis, Leva Van Langenhove, D. Tassis	OPTIMIZING THE GEOMETRIC CHARACTERISTICS OF A FIBRE-BASED TEXTILE ORGANIC FIELD EFFECT TRANSISTOR USING TCAD SIMULATION TOOL
14.45 – 15.00	Vijay Baheti, Salman Naeem, Veronika Tunakova, Jiri Militky, Daniel Karthik, Blanka Tomkova	EFFECTIVE EMI SHIELDING APPLICATIONS OF POROUS AND ELECTRICALLY CONDUCTIVE ACTIVATED CARBON WEB
15.00 – 15.15	Emilia Irzmańska, Paulina Wójcik, Agnieszka Adamus-Włodarczyk, Ryszard Lewandowski, Katarzyna Zdrenka, Michał Kiedrowski, SławomirDereszkiewicz	ASSESSMENT OF HEATED GLOVES IN TERMS OF INSULATION PROPERTIES
15.15 – 15.30	Elena S. Bokova, Elena A. Devina, Grigory M. Kovalenko, Maria Pawlova	SYNTHETIC SKIN OF A SPECIAL PURPOSE
15.30 – 15.45	Magdalena Tokarska, Jacek Leśnikowski	INITIAL RESEARCH OF PROPERTIES OF SNAP FASTENERS USING AS ELECTRICAL CONNECTORS IN SMART CLOTHING
<b>15.45 – 16.15</b>	<b>Coffee break</b>	
<b>16.15 – 18.00</b>	<b>Session VII – Testing, Chairmen: Yordan Kyosev, Agnieszka Cichocka</b>	
16.15 – 16.30	Eugenija Strazdiene, Donata Zubauskiene, Vitalis Leisis, Virginija Saceviciene, Laurence Schacher	THE CHARACTERIZATION OF UPHOLSTERY MATERIALS PERFORMANCE PROPERTIES BY KES-F PARAMETERS
16.30 – 16.45	Kausik Bal, Vijay K. Kothari	DETERMINATION OF BLEND PROPORTION OF BINARY BLENDED WOVEN FABRICS USING PHYSICAL METHODS
16.45 – 17.00	Pavla Tesinova, Tereza Mazacova	HYDROSTATIC RESISTANCE DEPENDENCE ON THE THICKNESS OF THE MATERIAL COMPONENTS
17.00 – 17.15	Jolanta Was-Gubala	TESTING OF CLOTHING MARKET FOR THE DIFFERENTIATION OF THE RED COTTON FIBRES
17.15 – 17.30	Hana Stockova, Petr Stocek, Vladimir Bajzik, Zuzana Jandrova	APPLICATION OF THE INSTRUMENT MORAPEX FOR EVALUATION OF COLOUR FASTNESS TO WATER

17.30 – 17.45	Mohanapriya Venkataraman, Rajesh Mishra, Jiri Militky, Veerakumar Arumugam	DEVELOPMENT OF PTFE BASED MICROPOROUS MEMBRANES BY ELECTROSPRAYING
17.45 – 18.00	Katarzyna Majchrzycka, Małgorzata Okrasa, Agnieszka Brochocka, Michał Puchalski, Izabella Krucińska	INFLUENCE OF PREPROCESSING CONDITIONS ON THE PROPERTIES OF SUPERABSORBING POLYMERS FOR APPLICATION INTO MELT-BLOWN NONWOVENS
<b>October 14<sup>th</sup>, 2017</b>		
<b>10.00 – 10.30</b>	<b>Plenary session with keynote speakers: Chairmen: Georgios Priniotakis</b>	
10.00 – 10.30	Arun Pal Aneja	TOWARDS A CIRCULAR ECONOMY IN TEXTILES
<b>10.30 – 11.30</b>	<b>Session VIII – Fashion &amp; Clotech, Chairmen: Grigorij Kovalenko, Elżbieta Mielicka</b>	
10.30 – 10.45	Christine Loercher, Simone Morlock, Andreas Schenk	DESIGN OF A MOTION-ORIENTED SIZE SYSTEM
10.45 – 11.00	Małgorzata Matusiak, Sylwia Kowalczyk	ELABORATION OF CHILDREN'S CLOTHING COLLECTION WITH NATURALLY COLORED COTTON
11.00 – 11.15	António Marques, Fernando Ferreira, Graça Guedes	PORTER'S COMPETITIVE STRATEGIES IN FASHION INDUSTRY: CASE STUDY
11.15 – 11.30	Sheenam Jain, Justyna Bruniaux, Xianyi Zeng, Pascal Bruniaux	KNOWLEDGE BASE EXTRACTION FROM FASHION BIG DATA
<b>11.30 – 11.45</b>	<b>Closing ceremony</b>	
<b>11.45 – 12.15</b>	<b>Coffee break</b>	
<b>12.15 – 13.15</b>	Visiting laboratories of the IAT (if participants would like to)	
<b>LIST OF POSTERS</b>		
Martin Harnisch, Miriam Scheffelmeier, Christine Loercher, Edith Claßen, Andreas Kalencuk, Andreas Rolf Voelkle		OPTIMIZATION OF THERMOPHYSIOLOGICAL PROPERTIES OF OFFICE CHAIRS USING SWEATING GUARDED HOT PLATE AND SWEATING MANIKIN
Olga Paraska, Svitlana Karvan, Tetyana Rak, Oleg Chervonyuk		INNOVATIVE TECHNOLOGIES IN THE MANUFACTURING STOCKINET
Martin Harnisch, Anke Klepser, Andreas Schenk, Christine Loercher, Edith Classen		SWEAT MANAGEMENT AND SKIN SENSORIAL PROPERTIES OF SPORTS COMPRESSION TEXTILES

Borys Bolibruch, Tetyana Kostenko, Inna Krasutska,	THREE-DIMENSIONAL MODEL OF THE THERMAL STATE OF FIREFIGHTER IN THE HEAT-PROTECTIVE CLOTHING
Kasthuri Rajagopala Venkatesh, R. Mishra, Mohanapriya Venkataraman, D. Kremenakova, J. Militky	PROTECTIVE CLOTHING FOR IMPACT SITUATION
Emilia Irzmańska, Agnieszka Stefko, Paulina Wójcik, Tomasz. Tokarski	ERGOGLOVES – TRADE MARK FOR PROTECTIVE GLOVES WITH HIGH ERGONOMIC PROPERTIES
Monika Bogusławska – Bączek, Lubos Hes	THERMAL COMFORT OF NEW GENERATION FLEECE FABRICS EXPOSED TO SALTY WATER
Srabani Misra, Jana Salacova, Mohanapriya Venkataraman, Dana Kremenakova, Jiri Militky	MULTICRITERIA QUALITY DETERMINATION IN CLOTHING
Tao Yang, Xiaoman Xiong, Rajesh Mishra, Dana Kremenakova, Jiri Militky	ACOUSTICS IN AUTOMOTIVE CABIN ENVIRONMENT
Veerakumar Arumugam, Rajesh Mishra, Dana Kremenakova, Jiri Militky	BIOMECHANICS OF 3D KNITTED SPACER FABRICS
Xiaoman Xiong, Mohanapriya Venkataraman, Tao Yang, Rajesh Mishra, Dana Kremenakova, Jiri Militky	TRANSPORT PROPERTIES OF NONWOVENS WITH AEROGEL
Anna Studzińska, Iwona Frydrych	CERTIFICATION OF CHILDREN'S CLOTHING WARES
Łukasz Frączzak, Małgorzata Matusiak	INVESTIGATION OF SURFACE FRICTION OF THE SEERSUCKER FABRICS
Janusz Zieliński, Aneta Stachowicz, Małgorzata Matusiak	COMPARATIVE ANALYSIS OF THE DESIGN STANDARDS OF WOMEN'S TROUSERS USING LECTRA SOFTWARE
Andreja Rudolf, Slavica Bogović, Beti Rogina-Car, Zoran Stjepanovič, Simona Jevšnik, Andrej Cupar	VIRTUAL PROTOTYPING OF SPECIAL PROTECTIVE CLOTHING FOR SPORT AIRCRAFT PILOTS
Elżbieta Mielicka, Lidia Napieralska, Agnieszka Walak, Violeta Jarzyna	ANALYSIS OF CLOTHING WITHIN THE SCOPE OF PREFERENCE AND FUNCTIONAL ASSESSMENT AS AN IMPORTANT ELEMENT OF ERGONOMIC GARMENT DESIGNING
Jolanta Was-Gubala, Roza Starczak	SELECTED ASPECTS OF THE TEXTILE STUDY BY THE UV-VIS MICROSPECTROPHOTOMETRY
Agnieszka Cichocka , Iwona Frydrych , Małgorzata Zimniewska , Małgorzata Muzyczek, Przemysław Mikołajczak, Katarzyna Schmidt-Przewoźna, Barbara Romanowska, Mariola Pawlaczyk, Izabella Krucińska,	DESIGN THINKING OF CLOTHING FOR MEDICAL AND CURING HEALTH APPLICATIONS

Agnieszka Komisarczyk, Stanisława Kowalska, Lucyna Herczyńska, Monika Urbaniak	
Paulina Adamczyk, Iwona Frydrych, Agnieszka Cichocka, Anna Pinar, Romualda Koźmińsk, Agnieszka Walak	MEASUREMENTS OF THERMAL RESISTANCE ASSESSMENT OF STRUCTURAL SOLUTION IN LAYERED KNITTED FABRICS IN THE ASPECT OF THE PHYSIOLOGICAL COMFORT PROPERTIES
Siyeon Kim, Do-Hee Kim, Kalev Kuklane, Joo-Young Lee	REGIONAL DIFFERENCE IN AIR VELOCITY OF MICROCLIMATE INSIDE CLOTHING AND THE BELLOWS EFFECT
Monika Balach, Iwona Frydrych, Agnieszka Cichocka	HOW THE MECHANICAL PROPERTIES OF A MATERIAL AND GAP BETWEEN THE BODY AND GARMENT AFFECT THE QUALITY OF FIT OF CLOTHING TO THE BODY USING A 3D SCANNER AND CAD SYSTEM
Magdalena Owczarek, Marzena Chajczyk	MORPHOMETRY OF CLOTHES CONSTRUCTION FORMS WITH APPLICATION OF COMPUTER IMAGE ANALYSIS
Marzena Chajczyk, Magdalena Owczarek	COMPARISON OF PARAMETERS RELATED TO KES AND FAST TEXTILES SYSTEMS IN TERMS OF USEFULNESS IN CLOTHES CONSTRUCTION
Halina Szafrąńska, Maria Pawłowa, Ryszard Korycki	ANALYSIS OF THE MECHANICAL PROPERTIES OF SEAMS IN WATERPROOF CLOTHING
Pamela Miskiewicz, Iwona Frydrych, Agnieszka Cichocka, Wojciech Pawlak	CONSIDARATION ON POSSIBILITY OF APPLICATION OF MODIFIED BASALT FABRICS FOR PROTECTIVE GLOVE PRODUCTION
Maria Szewczyk, Aleksandra Wyszowska, Małgorzata Matusiak	LIGHT UP DRESS COLECTION
Katarzyna Schmidt-Przewoźna, Jakub Kowaliński	CULTURE AND COLOR CHOICES – CREATIVE DESIGNING AND TRAINING ACTIVITIES OF THE LABORATORY OF NATURAL DYEING
Agata Poniecka, Magdalena Kłonowska	EMBROIDERED APPLIQUES ON KNITTED FABRICS
Natalia Trela, Zbigniew Draczyński	MODIFICATION OF TEXTILES' SURFACE WITH SELECTED CATIONIC AGENTS AS MEANS TO CHANGE THEIR PHYSICOCHEMICAL PROPERTIES
Bereznenko Serhiy, Bereznenko Mikoła, Kurhanskyi Andrii, Pavlova Maria	INTEGRATED EVALUATION OF TEXTILE MATERIALS INFLUENCE ON ENERGOINFORMATIONAL STATE OF THE HUMAN