

14th Romanian Textiles and Leather Conference - CORTEP'2012
46th IFKT Congress IFKT 2012

Programme

September 6 – 8, 2012, Hotel International, Sinaia, Romania

Wednesday-September 5th 2012	
Hour	Activity
18:00 – 20:00	Registration
20:00 – 21:00	Welcome Reception

Thursday-September 6th 2012	
Hour	Activity
08:30 – 09:30	Registration
09:30 – 10:00	Opening Ceremony & Awards
10:00 – 10:30	Anniversary Symposium "60 Years of Textile & Leather Higher Education in Iași"
10:30 – 11:00	Coffee Break

PLENARY SESION - CORTEP / IFKT		
Lecture Room: Room 1		
Chair persons: Carmen Maria LOGHIN, Mirela BLAGA		
Plenary Presentations		
Hour	Author Names	Title of the Plenary Presentation
11:00 – 11:30	Vladan KONCAR ENSAIT GEMTEX, Roubaix, France	<i>Textile electronics, sensors & displays</i>
11:30 – 12:00	Charles YANG The University of Georgia, USA	<i>Flame retardant cotton: progress and current status</i>
12:00 – 12:30	Crișan POPESCU DWI-RWTH, Aachen University, Germany	<i>Comfort index of textiles</i>
12:30 – 13:00	Jörg HARTMANN Stoll GmbH, Germany	<i>Stoll Novelty Techniques</i>
13:00 – 14:30	Lunch break	Hotel International Sinaia

PARALLEL SESSION 1			
Hour	CORTEP		IFKT
14:30-16:00	SESSION 1 <i>Fashion design and product development</i>	SESSION 1 <i>Textile developments: science, structures and technology</i>	SESSION 1 <i>Simulation and modelling</i>
	Lecture Room: Room 1	Lecture Room: Room 2	Lecture Room: Room 3
	Session Chair: Mariana URSACHE	Session Chair: Krste DIMITROVSKI	Session Chair: Savas VASSILIADIS
	Authors and papers to be presented		
14:30-14:50	Pascal BRUNIAUX – France <i>3D pattern-making on adaptive morphotype mannequin</i>	Lidija GOMBOC ¹ , Renate Lützkendorf ¹ , Majda SFILIGOJ SMOLE ² , Zoran STJEPANOVIC ^{x2} – ¹ Germany, ² Slovenia <i>Behavior of technical filament yarns in dynamic tensile test</i>	Werner MODENBACH-Germany <i>3D Simulation of Warp Knitted Fabrics</i>

14:50–15:10	<u>BRAHMADEEP</u> , Sébastien THOMASSEY, SUDIPTA, Fabien SALAUN, Christine CAMPAGNE – France <i>3D design of a customized garment for specific sportswear applications integrating targeted functionalization of textiles</i>	<u>Savin Dorin IONESI</u> ¹ , Raul FANGUEIRO ² , Luminița CIOBANU ¹ , Catalin DUMITRAS ¹ , Costea BUDULAN ¹ - ¹ Romania, ² Portugal <i>Evaluation of impact behaviour of composite materials using Taguchi method</i>	Yordan KYOSEV, Wilfried RENKENS, <u>Priscilla REINERS</u> - Germany <i>Warp Knitted Structures - Geometrical and Mechanical Modelling</i>
15:10–15:30	Moez HAMAD, Pascal BRUNIAUX, Sébastien THOMASSEY - France <i>New generation of 3D adaptive morphotype mannequin</i>	<u>Malgorzata MATUSIAK</u> – Poland <i>Application of the artificial neural networks for modelling the thermal properties of woven fabrics</i>	<u>Sadhan Chandra RAY</u> - India <i>Understanding Mechanics of 1x1 Rib Loop Formation on a Dial and Cylinder Machine through Computerized Modelling</i>
15:30–15:50	<u>Zlatina KAZLACHEVA</u> - Bulgaria <i>CAD design of collars around necklines in varied forms</i>	<u>Ioan HOSSU</u> , Marian-Cătălin GROSU, Gheorghe HORGA, Dorin AVRAM – Romania <i>Thermal conductivity of the thick wool layers</i>	Andreja RUDOLF, Simona JEVŠNIK, <u>Zoran STJEPANOVIČ</u> -Slovenia <i>Influence of Knitted Fabric's Stretch on Virtual Prototyping of the Underwear</i>
15:50–16:10	Sabina OLARU, Emilia FILIPESCU, <u>Claudia NICULESCU</u> , Elena FILIPESCU - Romania <i>Research on men conformation with implications in the patterns design for jacket</i>	<u>Gheorge HORGA</u> ¹ , Mihaela HORGA ¹ , Ioan HOSSU ¹ , Avram DORIN ¹ , Marian-Catalin GROSU ¹ and Florin BREABAN ² - ¹ Romania, ² France <i>Research on emissivity, reflection and transmission, textile materials, measured by the method of the integrating sphere</i>	<u>Savin Dorin IONESI</u> ¹ , Raul FANGUEIRO ² , Luminița CIOBANU ³ , Ana VIRCAN ¹ , Costea BUDULAN, ¹⁻³ Romania, ² Portugal <i>Shape Modelling of 3D Knitted Fabrics</i>
16:00–16:30	Coffee Break, Hotel International Sinaia		
16:30–17:00	Poster session 1, Hotel International Sinaia		IFKT Central Board Meeting

PARALLEL SESSION 2		
Hour	CORTEP	IFKT
17:00-19:00	SESSION 2 <i>Ecology in textiles and leather processing / Footwear design and technology</i>	SESSION 2 <i>Innovation in knitting technology and machine building</i>
	Lecture Room: Room 1	Lecture Room: Room 3
	Session Chair: Aura MIHAI	Session Chair: Alenka PAVKO CUDEN
Authors and papers to be presented		
17:00–17:20	<u>Ecaterina VASLUIANU</u> , Corina CIOBANU – Romania <i>Ecotoxicological aspects highlighted by easy-care finishing treatments</i>	<u>Elke THIELE</u> , Reinhard HELBIG, Rolf ARNOLD - Germany <i>New Generation of Full Fashioned Weft Knitting Machine with Biaxial Weft Insertion</i>
17.20–17.40	<u>Mariana PĂȘTINĂ</u> , Aura MIHAI, Stan MITU – Romania <i>Virtual and physical prototyping technique for footwear bottom components</i>	<u>M.O. WEBER</u> ¹ , V. KAPRALOV ² - ¹ Germany, ² Russia <i>Wear and Damage in Latch Needles for Circular Knitting</i>
17.40–18.00	<u>Mihaela Ioana BARITZ</u> , Diana COTOROS – Romania <i>Conceptual analysis of ratio between the plantar pressure and insole shape during different types of gait</i>	<u>YoungGu HWANG</u> , Shinwoong PARK, JuDeuck BANG & JuChul BANG, YuShik SHIN - Korea <i>Recent Developments of Plush Knitted Fabrics of 3 Dimensional Environment-friendly Structure</i>

18.00–18.20	<u>Mihaela Ioana BARITZ</u> , Diana COTOROS – Romania <i>The influence of plantar surface shape and height upon the support basis and bipodal stability</i>	Lyubomir LAZOV, <u>Yordanka ANGELOVA</u> – Bulgaria <i>Laser Technology in Textile Industry</i>
18.20–18.40	<u>Bogdan SARGHIE</u> , Aura MIHAL - Romania <i>Comparative study on practical and theoretical estimation of the material consumption within footwear products</i>	Biret TAVMAN, <u>Nazan OSKAY</u> - Turkey <i>Knitting in Art</i>
18.40–19.00	<u>Marta-Catalina HARNAGEA</u> , Aura MIHAL and Stan MITU – Romania <i>Consumer's criteria for sport shoes</i>	<u>Ana-Ramona CIOBANU</u> , Mirela BLAGA – Romania <i>Knitted Liner for Protective Helmet</i>
20:00	Official Dinner, <i>Hotel International Sinaia</i> restaurant	

Friday, September 7th 2012

PLENARY SESSION - CORTEP / IFKT

Lecture Room: Room 1		
Chair persons: Ana Marija GRANCARIC, Zoran STJEPANOVIC		
Plenary Presentations		
Hour	Authors	Title of the Presentation
08.30 - 09.00	Subhash ANAND The University of Bolton, U.K	A Study of the Modelling and Characterization of Compression Garments for Hypertrophic Scarring After Burns
09.00 - 09.30	Lubos HES Technical University of Liberec, Czech Republic	Thermal Comfort of Functional Underwear and Sport Dresses from Special Fibres and New Methods of their Testing under Real Conditions of their Wear
09.30 - 10.00	Chokri CHERIF Institute of Textile Machinery and High Performance Material Technology, Technische Universität, Dresden, Germany	Weft Knitting Technology - A Novel Technology for Manufacturing of Complex Near Net Shape Preforms for Use in Lightweight Composite Applications
10:00 - 10:30	Coffee Break	<i>Hotel International Sinaia</i>

PARALLEL SESSION 3

Hour	CORTEP	IFKT
10:30-12:00	SESSION 3 <i>Innovations in textile finishing</i>	SESSION 3 <i>Functional/Technical Knitted Fabrics</i>
	Lecture Room: Room 1	Lecture Room: Room 3
	Session Chair: Doru Cezar RADU	Session Chair: Marcus O. WEBER
Authors and papers to be presented		
10:30–10:50	<u>Nasser H. MOHAMED</u> , Thomas BAHNERS, Jochen S. GUTMANN, Mathias ULBRICHT- Germany <i>Antibacterial properties of plasma pre-treated polyester fabric impregnated with photochemically synthesized silver nanoparticles</i>	<u>E. MIELICKA</u> , A. PINAR, A. WALAK, J. JANICKA – Poland <i>Biodegradable Knitting Materials as a New Way of Medical Products</i>
10.50–11.10	Lilioara SURDU, Ioan CIOARA, Carmen GHITULEASA, Nicula GHEORGHE, Laurentiu DINCA, Adriana SUBTIRICA, Marilena NICULESCU, Razvan RADULESCU, Cosmin MEDOR – Romania <i>Research regarding the plasma hydrophobization of textile materials for medical articles</i>	Gözde ERTEKİN, Nida OĞLAKCIOĞLU, Arzu MARMARALI – Turkey <i>High Tenacity Weft Knitted Fabrics for Protective Garments</i>

11.10–11.30	Vahid AMERI DEHABADI , Hans-Jürgen BUSCHMANN , Jochen Stefan GUTMANN – Germany <i>Effect of polyamino carboxylic acids on biostatic properties and dyeability of cotton fabrics</i>	Fulya ÖZDEMİR, Arzu MARMARALI, Gözde ERTEKİN-Turkey <i>Some Performance Properties of Protective Gloves against Mechanical Risks</i>
11.30–11.45	Ecaterina VASLUIANU, Vasilica POPESCU – Romania <i>Performances offered by the fireproofing and anti-creasing simultaneous technology</i>	Savvas VASSILIADIS ¹ , Arzu MARMARALI ² , Stylianos MYTILINAIOS ¹ and Mirela BLAGA ³ <i>Electromagnetic Shielding with Knitted Fabrics</i> ¹ Greece, ² Turkey, ³ Romania
11.45–12.00	Octavian POPESCU, Aurelia GRIGORIU – Romania <i>Obtaining of multifunctional cellulosic fabrics by superficial chemical modification</i>	Crina BUHAI, Mirela BLAGA, Ramona CIOBANU, Costea BUDULAN – Romania <i>Development of Auxetic Weft Knitted Fabrics</i>
12.00-13.00	Lunch break	Hotel International Sinaia
PARALLEL SESSION 4		
Hour	CORTEP	IFKT
13.00 - 14.15	SESSION 4 Functional textiles and clothing	SESSION 4 Quality and testing in knitting
	Lecture Room: Room 1	Lecture Room: Room 3
	Session Chair: Malgorzata MATUSIAK	Session Chair: Arzu MARMARALI
Authors and papers to be presented		
13.00 –13.15	Marianna GRECKA, Ausma VILUMSONE , Juris BLUMS, Zane PAVARE - Latvia <i>The definition of placement of accelerometer in cyclist's jacket</i>	Ana Marija GRANCARIĆ ¹ , Darko UJEVIĆ ¹ , Tanveer HUSSAIN ² , Ahsan NAZIR ² , Blaženka BRLOBAŠIĆ ŠAJATOVIĆ ¹ , Lea BOTTERI ¹ - ¹ Croatia, ² Pakistan <i>Softeners Nanoemulsion for Improving Fabric Hydrophilicity and Sewability</i>
13.15 –13.30	Cezar-Doru RADU ¹ , Mihaela HRITCU (SALARIU) ¹ , Ada FERRI ² , Liliana FOIA ¹ , Cristina GHICIUC ¹⁻¹ Romania, ² Italy <i>The softness sensorial property of anti-allergic textile articles</i>	Mirela BLAGA, Neculai Eugen SEGHEDEIN, Ana Ramona CIOBANU- Romania <i>Warp Knitted Fabrics Behavior under Dynamic Testing</i>
13.30 –13.45	Ana Marija GRANCARIĆ, Lea BOTTERI, Anita TARBUK, Croatia <i>Nonwoven flame retardant and antibacterial protection composite</i>	Zlatko VRLJICAK ¹ , Marcus O. WEBER ² - ¹ Croatia, ² Germany <i>How much do socks labelled with IFKT cost?</i>
13.45–14.00	Mihaela HRITCU (SALARIU) ¹ , Cezar-Doru RADU ¹ , Aurelia GRIGORIU ¹ , Ada FERRI ² , Eugen ULEA ¹ Florin LIPSA ¹⁻¹ Romania, ² Italy <i>Tests and analyses supported by anti-allergic textile materials</i>	Alenka PAVKO-CUDEN - Slovenia <i>Performance Properties of Single Jersey made from Bamboo Viscose</i>
14.00 –14.15	Luminița VLAD, Stan MITU, Florin VLAD – Romania <i>Mini bioclimatic chamber used to determine the thermophysical characteristics of the fabrics</i>	ElSayed ELNASHAR- Egypt <i>Smart Support System for Fashion Trends of Knitwear</i>
14.15-14.45	Poster session 2, Hotel International Sinaia	IFKT General Assembly

Friday, September 7th 2012

PARALLEL SESSION 5		
Hour	CORTEP	IFKT
15.30 – 17.00	SESSION 5 <i>Miscellaneous</i>	SESSION 5 <i>Quality and testing in knitting</i>
	Lecture Room: Room 1	Lecture Room: Room 3
	Session Chair: Irina CRISTIAN	Session Chair: Dorin DAN
	Authors and papers to be presented	
	15.30-15.50	<u>Sinem GUNESOGLU</u> , Binnaz KAPLANGIRAY Cem GUNESOGLU, Turkey <i>An over-all evaluation on thermal comfort characteristics of knitted fabrics</i>
15.50-16.10	<u>Taher Rajab KADDAR</u> , Syria <i>Productivity improvement of modern shuttles weaving machines by using the statistical quality control tools</i>	<u>Md. Mostafa ZAMAN</u> , M.O. WEBER <i>Effect of Feeding Speeds of Elastomeric Yarn with 100% Cotton Yarn on Knit Fabric Spirality</i>
16.10-16.30	<u>Ionut DULHERIU</u> , Cristian Constantin MATENCIUC, Luminita VLAD, Stan MITU, Manuela AVADANEI, Romania <i>New conceptions regarding mechanical protection equipment and testing them during penetration</i>	<u>Md. Mostafa ZAMAN</u> , M.O. WEBER <i>Comparative Effect Study of Feeding Speeds of Elastomeric Yarn on Dimensional Properties of Single Jersey and Double Jersey (Interlock) Knit Fabric</i>
16.30-16.50	<u>Manuela AVADANEI</u> , Ana VÎRCAN, Ionuț DULGHERIU, Romania <i>Study concerning the use of anthropometrical parameters in the evaluation of children health condition aged from 7 to 10 years old</i>	<u>Dobrin GENOV</u> , Krasimir DRUMEV, Ivan IVANOV <i>Dynamics of Circular Knitting Machines of Large Diameter "METO E20-32"</i>
16.50-17.00	<u>Taher Rajab KADDAR</u> , Syria <i>Development of a typical methodology for environmental impact assessment of textile factories</i>	<u>Chan Ho PARK</u> , Shin Woong PARK- Korea <i>Studies on Skewness Characteristics of Single Jersey Circular Fabrics of Spun Yarns</i>
17.00-17.30	Coffee Break	Hotel International Sinaia
17.30-18.00	Students presentations	Hotel International Sinaia, Room 2
18:00–18:30	Closing Ceremony	Hotel International Sinaia, Room 2

Saturday-September 8th 2012

Hour	Activity
09:30 – 11:00	Workshop: Lifelong Learning Program ERASMUS - Platform for International Relations
11:00 – 18:00	Social activities: Excursion, Site-seeing etc.

CORTEP - Poster Sessions

Thursday - September 6th 2012

Poster session 1		
Topics: Textile science and technology, Textile structures and properties, Functional textiles and clothing, IT applications, Machinery developments, Marketing and management, Engineering education		
Hour	Author Names	Title of the Full Paper
16:30 – 17:00	Marian-Cătălin GROSU, Ioan HOSSU, Avram DORIN, Michał FRYDRYSIAK, Janusz ZIĘBA	<i>Experimental investigation of the magnetic yarns</i>
	Adriana MUSTATA , Liliana HRISTIAN, Georgeta POTOP	<i>Silk, flax and hemp, sources of native fibrous raw material for textiles and technical products</i>
	Viorica CRETU	<i>New technologies for socks improvement</i>
	Laura MACOVEI	<i>Stitch transfer technique applied in fully fashion knitted products</i>
	Marian-Cătălin GROSU, Ioan HOSSU, Gheorghe HORGHA, Dorin AVRAM	<i>Procedure and laboratory device for coating yarns with ferromagnetic substances</i>
	Nicoleta VORNICU, Cristina BIBIRE Maria GEBA	<i>Research on materials used in making textiles religious in 18-19 centuries</i>
	Ioana PETCU, Antonela CURTEZA, Pramod AGRAWAL, Ger BRINKS, Mirela TEODORESCU	<i>Study on the development of 3d conductive heatable knitted structures</i>
	Liliana HRISTIAN, Iuliana Gabriela LUPU	<i>Experimental researches regarding the woven materials made from yarns type combed wool behaviour to tensile testing</i>
	Liliana HRISTIAN, Iuliana Gabriela LUPU	<i>Researches regarding the creasing behaviour of woven materials made from combed yarns type wool</i>
	Cristina PIROI, Rodica HARPA, Cezar-Doru RADU	<i>Testing methods employed for assessing the compression capacity of medical stockings</i>
	Mariana URSACHE, Mihai PENCIUC	<i>Properties of double layer knitted fabrics with in-lay yarns</i>
	Rodica HARPA, Cristina PIROI, Cezar-Doru RADU	<i>Testing methods employed for assessing the features of yarns designed for medical stockings</i>
	Monica Alina CALIN Mirela TEODORESCU Antonela CURTEZA	<i>Textile industry at nanoscale</i>
	Monica Alina CALIN Mirela TEODORESCU Antonela CURTEZA	<i>Theoretical modelling of a carbon nanotube as temperature sensor</i>
	Lucica CIOARA, Ioan CIOARA, Daniela NEGRU	<i>The influence of the abrasion stress on electrical properties of woven fabrics with metallic fibers content</i>
	Elena MOISESCU, Ecaterina PINTILIE, Constanta COMANDAR	<i>Research on the tensile breaking strength of rib knitted fabrics</i>
	Petronela AVRAM, Mirela TEODORESCU, Antonela CURTEZA, Pramod AGRAWAL & Ger BRINKS	<i>Biomimetic approach, from lotus leaves to superhydrophobic materials</i>
	Petronela AVRAM, Mirela TEODORESCU, Antonela CURTEZA, Pramod AGRAWAL & Ger BRINKS	<i>Just like nature – achieving superhydrophobic functional clothing</i>
	Guntis STRAZDS, Dana BELAKOVA Inese ZIEMELE	<i>Activity of the cross-institutional group of researchers in the project “Investigation of Latvian renewable raw materials – flax and hemp products for development of innovative technologies and new functional materials”</i>
	Inese PARKOVA, Aleksandrs VALIŠEVSKIS , Andis UŽĀNS ⁴ , Ausma VIĻUMSONE	<i>Analysis and improvement of nocturnal enuresis alarm system</i>
Liliana LUTIC	<i>Concepts regarding the quality of the knitted used in mattress production</i>	

Elena ONOFREI	<i>Study on thermal comfort properties of active sportswear using a thermal manikin</i>
Emanuela MARIN, Marinela BARBUTA, Ioan CIOARA, Luminita CIOBANU	<i>Production of textile reinforced concrete</i>
Emanuela MARIN, Ioan CIOARA, Geta TRIFAN, Luminita CIOBANU	<i>Mechanical behaviour of reinforcement geotextiles made of warp knitted fabrics</i>
Corina CIOBANU, Mihai PENCIUC, Costea BUDULAN	<i>Athletic socks</i>
Mihai STAN, Carmen GHITULEASA	<i>Use of grid network in designing auxetic textile structures</i>
Alexandra ENE, Emilia VISILEANU, Carmen MIHAI	<i>Innovative spin-off for medical devices made of textiles materials</i>
Daniela LIUȚE	<i>Equations applied for programming the turn of the roll on tangential windings of constant rate-delivered textiles</i>
Daniela LIUTE, Gabriela BUTNARU	<i>The sequential proportionality coefficients of the tension of warp sizing machines</i>
Pulferia NICOLAIOV, Adela FLOREA	<i>Specific innovation approaches in garment manufacturing companies</i>
Ion VERZEA, Gabriel-Petru LUCA	<i>"Production complexification": new challenges of management and marketing in textile industry</i>
Ion VERZEA, Gabriel-Petru LUCA, Rachid CHAIB	<i>The strategic management Of the "production-quality-maintenance" triplet</i>
Adrian BUHU, Liliana BUHU	<i>E-learning system for fancy yarns design</i>
Aristide DODU, Dorin DAN	<i>The Book of Textile Engineer</i>

Friday - September 7th 2012

Poster session 2		
Topics:		
Fashion design and product development, Innovations in textile finishing, Footwear design and technology, Advances in leather processing, Ecology in textiles and leather processing		
Hour	Author Names	Title of the Full Paper
14.15-14.45	Mirela TEODORESCU, Monica Alina CALIN Ioana PETCU, Antonela CURTEZA	<i>Biomimetic innovation in clothing industry</i>
	Mirela TEODORESCU, Monica Alina CALIN, Ioana PETCU, Antonela CURTEZA, Laurence SCHACHER, Dominique ADOLPHE	<i>Structural colours – new inspiration for fashion design</i>
	Maria CRISTEA, Antonela CURTEZA	<i>Analysis of electrical resistance on metallic thread in embroidery</i>
	Emilia FILIPESCU, Sabina OLARU, Elena FILIPESCU	<i>Solutions development for basic patterns remodelling through 3d virtual simulation of body – garment dimensional fitting</i>
	Ana VIRCAN, Dorin IONESI, Stan MITU, Lavinia CAPMARE	<i>Bi-dimensional statistical analyze of main anthropometric parameters specific to primary school children</i>
	Stela BALAN, Irina TUTUNARU, Marcela IROVAN and Victoria MACOVEI	<i>Use of non-traditional methods of constructing garments with three-dimensional elements</i>
	Marcela IROVAN, Irina TUTUNARU Stela BALAN Rodica ODOBESCU	<i>Elaboration of assortments of garments for persons with physical disabilities</i>
	Irina TUTUNARU, Marcela IROVAN and Stela BALAN	<i>Aspects of designing garments for children affected by metabolic syndrome</i>
	Claudia UDRESCU, Franco FERRERO, Monica PERIOLATTO	<i>Ultrasound assisted dyeing of cellulose acetate</i>
	Angela CEREMPEI, Rodica MURESAN, Augustin MURESAN	<i>Analysis of model essential oil release kinetics from chitosan matrice</i>

Abramiuc DANKO, Crisan POPESCU' Augustin MURESAN	<i>Improving cotton textile materials proprieties by treating with chitosan and metallic salts</i>
Ovidiu CONSTANDACHE Angela CEREMPEI, Rodica MUREȘAN	<i>Dyeing of polyester and polyester blend with reactive dyes</i>
Tatiana CONSTANDACHE, Angela CEREMPEI, Rodica MUREȘAN	<i>Special effect pigments</i>
Cornelia IONESCU LUCA	<i>Thermal processes of the moulds used in footwear outsoles</i>
Cornelia IONESCU LUCA	<i>Thermal processes in vulcanization moulds used in footwear soles</i>
Mariana DRIȘCU	<i>Calibrating shoe lasts and experimentally estimating the variations in their sizes by using DELCAM CRISPIN 3D–LAST MAKER</i>
Mariana DRIȘCU	<i>Last modeling for perfectly fit footwear using DELCAM CRISPIN - LAST MAKER</i>
Florentina HARNAGEA, Marta-Catalina HARNAGEA	<i>The influence of upper patterns configuration on the specific consumption when cutting leather</i>
Florentina HARNAGEA, Marta-Catalina HARNAGEA	<i>Tensile strength and elongation at break of the leather substitutes used in footwear manufacturing</i>
Carlos VAZ DE CARVALHO, Aura MIHAI, Nikolaos BILALIS, Ana Marija GRANCARIC, Eduardo COSTA, Clara SOLVES, Cláudia AZEVEDO	<i>Mismatches, shortages and gaps in competencies and skills in the footwear industry</i>
Vasilica MAIER, Stelian Sergiu MAIER, Melinda PRUNEANU, Ingrid BUCIȘCANU	<i>Assessment regimes of highly hygienic leather types</i>
Vasilica MAIER, Stelian Sergiu MAIER, Melinda PRUNEANU, Ingrid BUCIȘCANU	<i>Characterization of historical leather by thermo analytical techniques</i>
Melinda PRUNEANU, Ingrid BUCIȘCANU, Stelian Sergiu MAIER, Vasilica MAIER	<i>Conventional tanning vs lower offer chrome tanning, using a melamine-formaldehyde resin as pre-tanning agent</i>
Ingrid BUCIȘCANU, Melinda PRUNEANU, Vasilica MAIER, Stelian Sergiu MAIER	<i>Pathways to environmental sustainability for the textile and leather industry</i>
Costică SAVA, Mariana ICHIM	<i>Recycling cotton waste into fine yarns</i>
Ramona BOȚ-BUDEANU, Antonela CURTEZA, Augustin MURESAN	<i>Eco-friendly dyeing – using natural dyes from nature</i>
Ramona BOT-BUDEANU, Antonela CURTEZA, Augustin MUREȘAN	<i>Textile ecology – achievement of different colour tones using natural dyes on the fabric of flax and hemp</i>
Tudorel BĂLĂU MÎNDRU, Iulia BĂLĂU MÎNDRU	<i>Studies on obtaining and use of protein waste</i>
Doina TOMA, Emilia VISILEANU, Silvia POZZI	<i>Tex-EASTile-European Network for green textile excellence</i>

IFKT - Poster Sessions

Thursday - September 6th 2012

Poster session 1		
Topics: Technical knitted materials, Quality and testing in knitting		
Hour	Author Names	Title of the Full Paper
16:30 – 17:00	Mariana URSACHE	<i>Experimental study on some properties of single jersey fabrics caused by the unbalanced state of the loop structure</i>
	Ramona CIOBANU, Raul FANGUEIRO, Luminita CIOBANU, Costea BUDULAN	<i>Tensile Properties of Weft Knitted Sandwich Fabrics with Natural Fibres</i>
	Olena KYZYMCHUK, Samuel C. UGBOLUE	<i>The Effect of Positioning of Inlaid Yarns in Fillet Warp Knit Structures</i>
	M.O. WEBER, Farzana AKTER, Andrea EHRMANN	<i>Shielding of Static Magnetic Fields by Textile</i>
	M.O. WEBER, Tomasz BLACHOWICZ, Andrea EHRMANN	<i>Micromagnetic Simulation of Magnetic Textiles</i>
	E. SANCAK , M. YÜKSEK , I. USTA , M. AKALIN , M. UZUN , E. İŞGÖREN	<i>An Investigation of Electromagnetic Shielding Effectiveness of Knitting Fabrics with Different Metal Wire</i>
	M. YUKSEK, A. BEYIT, N.YILDIRIM OZSOY, M.DURNA, E.ISGOREN, M.S. OZEN	<i>An Investigation of Sound Absorption Properties of Knitting Fabrics</i>
	Viorica CREȚU	<i>Impact of Stitch Cam Design on the Loop forming Tension</i>
	Laura MACOVEI	<i>Effect of bobbin placed on lateral creel on yarn feed process</i>
	Beatrice Maria GALENCO, Norbert Cristian KURCZVEIL	<i>The future of roads</i>
	Ioana PETCU, Antonela CURTEZA , Pramod AGRAWAL, Ger BRINKS, Mirela TEODORESCU	<i>The Effects of Stretching on the Conductivity and Heatability of Weft Knitted Fabrics</i>

Friday - September 7th 2012

Poster session 2		
Topics: Comfort and Wellbeing , Functional knitted materials, Design in Knitting, Engineering education		
Hour	Author Names	Title of the Full Paper
14.15-14.45	HyeShin YOON, DoSik KIM, Hanyoun RYU and Seokhun HAN	<i>Study on Improvement of Cool Feeling of Cotton Blended Knitted fabrics for Summer Use</i>
	Crina BUHAI, Mirela BLAGA	<i>Comfort Properties of Weft Knitted Spacer</i>
	Ioan POP de POPA , Aristide DODU, Emilia VISILEANU, Dorin DAN	<i>Implantable Medical Textiles in the Human Body</i>
	Corina CIOBANU, Ecaterina VASLUIANU, Mihai PENCIUC, Costea BUDULAN	<i>The Constructive and Functional Characteristics of the Special Socks for Sport Activities</i>
	Liliana LUTIC	<i>Knitted Structures Used for Mattress Fabrics</i>
	Yordanka ANGELOVA	<i>Contemporary Applications of the Knitting</i>
	Mioara CREȚU	<i>Patternmaking for Knitwear Shaped by Wedge Technique</i>
	Mioara CREȚU	<i>Fashion and Pattern Design for Maternity Garments made of Jersey</i>
	Dorin DAN	<i>Online Learning Resources for Flat Knitting Technology</i>
	Aristide DODU, Dorin DAN	<i>Explanatory and Multilingual Dictionary for Textile Science and Technology</i>
	Petronela Simona EPURE, Luminița Mihaela LUPU, Ionuț Viorel HERGHILIGIU	<i>Research on Relations and Interdependence of Organizational Structure Components</i>
	Claudia ROMAN, Luminita SCRIPCARIU, Rodica DIACONESCU, Aurelia GRIGORIU	<i>A Database Application for Higher Education - An Innovative Solution to Disseminate Scientific and Technical Information from Textile and Clothing Field</i>

Tours and Sightseeing

Tour of the Peles Castle

A **guided group tour** will be organized for the visit of the royal **Peles National Museum** in Sinaia and thus benefit from a careful and high quality presentation of this very important and charming monument in the history of Romania.

Tours of Sinaia, including a guided group visit of the **Peles Castle**, will be organized on **September 7th**, at hours which will be announced to you at the conference registration, as well as the costs.



Brasov and Dracula's Castle Escorted Tour

An **escorted tour** will be organized on **September 8th** having as main objectives the city of **Brasov** and the Bran Castle, widely advertised as "Dracula's Castle".

The tour will include the following objectives: The Black Church, the Town Hall Square, The White Tower, The Black Tower, The Schei Gate, The Rope Street (the narrowest street in Europe), followed by a trip to the Bran Castle.

Lunch (fixed menu, at the best traditional Romanian restaurant in Brasov), entrance fee at the Bran Castle and the Black Church are all included in the fee.

Fee: 50 EUR/ person.



Brasov



Bran Castle

About Sinaia



Bucegi Mountains



Sinaia Monastery

Located in a beautiful mountainous region, at the foothills of the Bucegi Mountains, about 120km from Bucharest and 44km from Brasov, in the Prahova Valley, **Sinaia** is one of the oldest and most famous mountain resorts, often referred to as "The Pearl of the Carpathians". At an altitude of 767 m and 860 m, Sinaia boasts ski slopes at an altitude of 2,000 m, on the plateau of the Bucegi mountains.

The town was named after Sinaia Monastery, around which it was built; the monastery in turn is named after the Biblical Mount Sinai. King Carol I of Romania built his summer home, Peleş Castle, near the town.

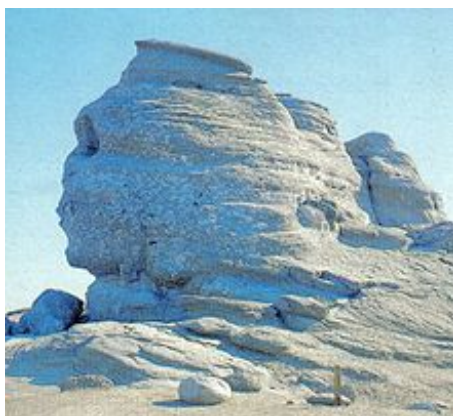
The city is a popular destination for hiking and winter sports, especially downhill skiing. Among the tourist landmarks, the most important are **Peleş Castle**, **Pelişor Castle**, **Sinaia Monastery**, **Sinaia Casino**, Sinaia train station, and the Franz Joseph and Saint Anne Cliffs. Sinaia was also the summer residence of the Romanian composer George Enescu, who stayed at the Luminiş villa.



Peleş Castle



Pelişor Castle



The "Sfinx" of Bucegi



Sinaia Casino

