

CONFERENCE PROGRAM

TUESDAY OCTOBER 8 th , 2013		
16H00 19H00	Welcome and Registration	
WEDNESDAY OCTOBER 9 th , 2013		
08H00 09H00	Registration and Breakfast	
09H00 09H30	Opening of the Scientific Conference by Vladan KONCAR, ENSAIT, Mohammed LAHLOU, ESITH, Jacques Hervé LEVY, ENSAIT, Abderrahmane FARHATE, ESITH	
09H30 10H30	<p>PLENARY SESSION 1</p> <p><i>"Advanced research in the organic and nano engineering applied to smart textiles"</i></p> <p>Prof. Seonghun KIM, Hanyang University, South Corea</p> <p>PLENARY SESSION 2</p> <p><i>"Characterization and prediction of transport and mechanical properties in textile composites"</i></p> <p>Prof. Christophe BINETRUY, Ecole Centrale de Nantes, France</p>	
	10H30 11H00	COFFEE BREAK
11H00 12H30	<p>PARALLEL SESSION 1</p> <p>MULTIFUNCTIONAL AND INTELLIGENT TEXTILES</p> <p>SENSORS & ACTUATORS</p> <p>Chairman : Omar CHERKAOUI</p>	<p>PARALLEL SESSION 2</p> <p>MODELING AND SIMULATION</p> <p>Chairman : Seonghun KIM</p>
	<p><i>"Light emitting fabrics based on polymer optical fibres for photodynamic therapy"</i></p> <p>Cédric COCHRANE^{1,2}, Serge MORDON^{1,3}, Jean Claude LESAGE^{1,3} Vladan KONCAR^{1,2}</p> <p>¹ Univ. Lille Nord de France ² ENSAIT, GEMTEX, France ³ INSERM, France</p>	<p><i>"Analyzing the tensile behavior of fabrics based on fiber bundle models"</i></p> <p>Marianna HALÁSZ¹, László M. VAS¹, Péter TAMÁS², Kolos MOLNAR¹ Alexandra Cs. KOVÁCS¹, Zsuzsanna A. HUSZÁR¹, Bidour AL-GAADI¹ Omar CHERKAOUI³, Mohamed DALAL³</p> <p>¹ Budapest University of Technology, Polymer Engineering, Hungary ² Budapest University of Technology, Optics and Engineering Informatics, Hungary ³ Advanced School of Textile and Clothing Industry, Morocco</p>
	<p><i>"Lightguide fibres based textile for solar energy collection and propagation"</i></p> <p>Alexandra EL ZEIN^{1,2}, Aurélie CAYLA^{1,2}, Cédric COCHRANE^{1,2}</p> <p>¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France</p>	<p><i>"Modeling of textile composite reinforcements on the micro-scale"</i></p> <p>Oliver DÖBRICH, Thomas GEREKE, Chokri CHERIF</p> <p>Technical University of Dresden, Germany</p>
	<p><i>"Chitosan based geotextile: new materials for the selective removal of the heavy metals"</i></p> <p>Jalal ISAAD^{1,2}, Ahmida El ACHARI^{1,2}</p> <p>¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France</p>	<p><i>"A new method for the prediction of drape parameters"</i></p> <p>Hamdi THOURAYA, Adel GHITH, Fayala FATEN</p> <p>LESTE, ENIM, Monastir University, Tunisia</p>
12H30 14H00	LUNCH BREAK : RESTAURANT "LA PISCINE"	
14H00 15H30	<p>PARALLEL SESSION 3 :</p> <p>MULTIFUNCTIONAL AND INTELLIGENT TEXTILES</p> <p>SENSORS & ACTUATORS</p> <p>Chairman : Cédric COCHRANE</p>	<p>PARALLEL SESSION 4</p> <p>MODELING AND SIMULATION</p> <p>Chairman : Vladan KONCAR</p>
	<p><i>"Study on electrical performances of a flexible electrochromic textile device"</i></p> <p>Constance MORETTI^{1,2}, Xuyuan TAO^{1,2}, Vladan KONCAR^{1,2}, Ludovic KOEHL^{1,2}</p> <p>¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France</p>	<p><i>"Equilibrium And Kinetics Study Of Reactive Dye Removal From Aqueous Solution By Adsorption On Powder Alfa Fibre"</i></p> <p>Souad FETTOUCHE^{1,2}, R. MADHOUNI^{1,2}, M. TAHIRI² Omar CHERKAOUI¹</p> <p>¹ ESITH, REMTEX, Morocco, ² University Hassan II, Morocco</p>
	<p><i>"Conductive polymer based composite used as piezoresistive sensors on PET fibres"</i></p> <p>Simon NICOLLE^{1,2}, Cédric COCHRANE^{1,2}</p> <p>¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France</p>	<p><i>"Determination of correlation between some fabric parameters and drape profile with the principal component analysis (pca)"</i></p> <p>Hamdi THOURAYA, Adel GHITH, Fayala FATEN</p> <p>LESTE, ENIM, Monastir University, Tunisia</p>
	<p><i>"New PEDOT: PSS: NMP/PVA yarn sensors for in-situ measurements of glass fiber 3d interlock fabric during the weaving process"</i></p> <p>Nicolas TRIFIGNY^{1,2}, Fern KELLY^{1,2}, Cédric COCHRANE^{1,2} François BOUSSU^{1,2}, Damien SOULAT^{1,2}, Vladan KONCAR^{1,2}</p> <p>¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France</p>	<p><i>"Geometrical Modeling of Woven Fabrics Weavability Limit Woven reinforcements and technical fabrics "</i></p> <p>Mohamed DALAL¹, Jean-Yves DREAN², Jean-François OSSELIN²</p> <p>¹ ESITH, REMTEX, Morocco ² UHA Mulhouse, France</p>

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15H30 16H00	COFFEE BREAK	
16H00 17H30	PARALLEL SESSION 5 MULTIFUNCTIONAL AND INTELLIGENT TEXTILES Chairman : Chokri CHERIF	PARALLEL SESSION 6 : COMPOSITES Chairman : Jacek MLYNAREK
	<i>“Water repellent coating through cpts sol on the surface of textile fabrics”</i> Aicha BOUKHRISS ^{1,2} , Damien BOYER ³ , Hassan HANNACHE ² Omar CHERKAOUI ¹ , Jean-Philippe ROBLIN ³ Mohamed Anouar JAMALI ¹ , Said GMOUH ^{1,4} ¹ ESITH, REMTEX, Morocco ² LIMAT, Université Hassan II Morocco ³ ENSCCF et Institut de Chimie de Clermont-Ferrand, France ⁴ Laboratoire chimie moléculaire, UATRS/CNRST, Rabat- Morocco.	<i>“Process parameters investigation for overbraided textile preforms of commingled yarns”</i> Jean-Vincent RISICATO ^{1,2} , Damien SOULAT ^{1,2} , Xavier LEGRAND ^{1,2} ¹ Univ. Lille Nord de France ² ENSAIT, GEMTEX, France
	<i>“Surface Modification of Carbon Fibres using Plasma and Wet Chemical Techniques”</i> Iris KAEPLER, Rolf-Dieter HUND, Chokri CHERIF Institute of Textile Machinery and High Performance Material Technology, Technical University of Dresden, Germany	<i>“Glass fiber content dependent flexural creep behavior of polypropylene composite”</i> Péter BAKONYI, László M. VAS Budapest University of Technology, Polymer Engineering, Hungary
	<i>“Physical property improvement of chemically recycled PET fiber”</i> Seonghun KIM ¹ , Dae HEE LIM ¹ , Yeon JOO CHOI ¹ Sung YONG RYU ² ¹ Dept of Organic and Nano Engineering, Hanyang University, Korea ² Korea Vilene, Gyenggi, Korea	<i>“Development in the 3D multi-axial weaving technology”</i> Ahmad RASHED LABANIEH ^{1,2} , Xavier LEGRAND ^{1,2} Vladan KONCAR ^{1,2} , Damien SOULAT ^{1,2} ¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France
17H30	SESSIONS POSTER PRESENTATIONS	

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THURSDAY OCTOBER 10 th , 2013			
09H00 09H30	Welcome and Breakfast		
09H30 10H30	<p style="text-align: center;">PLENARY SESSION 3 <i>"Potential of Fibre Based Lightweight Construction in Multi-material Design with Function"</i> Prof. Chokri CHERIF, Dresden University of Technology, Germany</p> <p style="text-align: center;">PLENARY SESSION 4 <i>"Technical Textiles for PPE in Canada: Tendencies and Recent Developments"</i> Dr. Jacek MLYNAREK, CTT Group, Canada</p>		
10H30 11H00	COFFEE BREAK		
11H00 12H30	PARALLEL SESSION 7 MULTIFUNCTIONAL AND INTELLIGENT TEXTILES THERMOREGULATION AND FLAME RETARDANCY Chairman : Vladan KONCAR	PARALLEL SESSION 8 : DESIGN AND CHARACTERIZATION Chairman : Jacek MLYNAREK	PARALLEL SESSION 9 : RECYCLING & BIOSOURCED TEXTILES Chairman : Omar CHERKAOUI
	<i>"Investigation of thermal comfort properties of firefighter protective"</i> Stojanka PETRUSIC¹, Elena ONOFREI^{3,4} Gauthier BEDEK³, Daniel DUPONT³ Damien SOULAT^{1,2} ¹ Univ. Lille Nord de France, ² ENSAIT, GEMTEX, France, ³ UCLille, HEI, GEMTEX, France ⁴ Technical University "Gheorghe Asachi" Romania	<i>"Wearable technologies for PPE: embedded textile monitoring sensors, power & data transmission, end-life indicators"</i> Olivier VERMEERSCH, Aldjia BEGRICHE Justine DECAENS, Dominic LACHAPPELLE Jacek MLYNAREK CTT Group, Canada	<i>"A novel process for making polymeric alloy fibers from blends of chemically recycled pet and nylon6"</i> Byung Gil MIN¹, Kwang-Sang LEE^{1,2} Mok-Keon LIM², Jae-Sung HAN³ ¹ Kumoh National Institute of Technology, Korea ² Solvay Engineering Plastics, Seoul, Korea ³ Korea Textile Development Institute
	<i>"How to protect textile materials against fire?"</i> Mathilde CASSETTA, Maude JIMENEZ, Sophie DUQUESNE and Serge BOURBIGOT ENSC Villeneuve d'Ascq, France	<i>"Effect of break draft on dynamic drafting force and short term irregularity of carded cotton sliver"</i> Chongwen YU, Qasim SIDDIQUI Donghua University, China	<i>"Bioconversion efficacy of flocked biofilter media"</i> Yong K. KIM, Armand F. LEWIS UMass Dartmouth, USA
	<i>"Development of thermo-regulating fabric using Microcapsules of phase change material (PCM)"</i> Dounia BEMMOUSSA^{1,2}, Hassan HANNACHE² Omar CHERKAOUI¹ ¹ ESITH, REMTEX, Morocco ² University Hassan II, F. S. Ben M'Sik, Morocco	<i>"Impact of the weaving structure on thermal and mass transfer in view of the development of heat flow-metric textile sensor"</i> Hayriye GIDIK^{1,2}, Gauthier BEDEK¹ Daniel DUPONT¹ ¹ HEI, GEMTEX, France ² Univ Lille Nord de France	<i>"Characterization of alfa fibre reinforced polycaprolactone matrix based green composites"</i> Youssef BENOUESSIF^{1,2}, Omar CHERKAOUI¹ Abdelaziz LALLAM² ¹ ESITH, Morocco ² ENSISA, Mulhouse, France
	<i>"Ultimate Protection & Less Heat Stress - Next Generation of innovative Fire Fighter Outershell Materials"</i> Alexander GSTETTNER Lenzing AG, Austria	<i>"Objective and subjective evaluation of fabric sound"</i> Khaldon YOSOUF, Hadj LATROCH, Dominique ADOLPHE, Laurence SCHACHER UHA Mulhouse, France	<i>"Thermal insulation materials composed of textile waste"</i> Haddad ABDERRAZAK, Fayala FATEN Sofien BENLTOUFA, Jemni ABDELMAJID ENIM, Monastir University, Tunisia
12H30 14H00	LUNCH BREAK : RESTAURANT "LA PISCINE"		
14H00 15H30	PARALLEL SESSION 10 MULTIFUNCTIONAL AND INTELLIGENT TEXTILES Chairman : Vladan KONCAR	PARALLEL SESSION 11 DESIGN AND CHARACTERIZATION Chairman : Seonghun KIM	PARALLEL SESSION 12 : RECYCLING & BIOSOURCED TEXTILES BIOCOMPALFA PROJECT Chairman : Philippe VROMAN
	<i>"Multifunctional finishing of cotton through plasma-nano technology"</i> Shital S. PALASKAR, S. R. SHUKLA A. N. DESAI The Bombay Textile Research Association, India	<i>"Anti molestation jacket"</i> Noopur ANAND¹, Nishant PRIYA² Shahzad AHMAD³, Deepak PANGHAL³ NIFT, India ¹ Professor, ² Assistant professor, ³ student	<i>"Introduction to Biocompalfa project: Study and development of green composites based on renewable resources"</i> - Philippe VROMAN - ENSAIT, GEMTEX, France - Univ. Lille Nord de France
	<i>"Effect of cotton/polysulfonamide blend ratio on blended yarn"</i> Lloyd N. NDLOVU, Jianping YANG Xinhou WANG, Chongwen YU Donghua University, China	<i>"The weave designs final colour prediction"</i> Wafa MILED¹, Sofien BENLTOUFA² ¹ LPBMO, Monastir University, Tunisia ² ENIM, Monastir University, Tunisia	<i>"Potential for extracting fibers from exotic plants located in the Mediterranean area"Esparto (Stipa tenacissima L.) Reed (Arundo donax), Palm tree (Chamaerops humilis L.), etc"</i> Meriem HARCHE-KAID - USTOMB, Morocco

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	<p><i>"Textile based capatteries made from conductive yarns and PEDOT:PSS"</i> Sheilla A. ODHAMBO^{1,2}, Gilbert DE MEY³ Carla HERTLEER¹, Win DE FERME⁴, Lieva VAN LANGENHOVE¹ ¹Dept Textiles, Ghent University ²Dept Manufacturing, Moi University, Kenya ³Dept Electronics and Information Systems, Ghent University, ⁴Institute for Material Research, Hasselt University, Belgium</p>	<p><i>"Apparatus for measuring the shear properties of reinforcements"</i> Kolos MOLNAR, Marianna HALÁSZ, László M. VAS Budapest University of Technology and Economics, Polymer Engineering, Hungary</p>	<p><i>"Effect of biotechnological-ecotechnological-chemical treatments on natural fiber properties"</i> Usha MASSIKA ENSAIT, GEMTEX, France - Univ. Lille Nord de France</p>
15H30 16H00	COFFEE BREAK		
	PARALLEL SESSION 13 MULTIFUNCTIONAL AND INTELLIGENT TEXTILES Chairman : Vladan KONCAR	PARALLEL SESSION 14 DESIGN AND CHARACTERIZATION Chairman : Maryline ROCHERY	PARALLEL SESSION 15 RECYCLING & BIOSOURCED TEXTILES BIOCOMPALFA PROJECT Chairman : Philippe VROMAN
	<p><i>"Antibacterial Properties of functional Polyamide 6.6"</i> Mehdi EL BOUCHTI¹, Omar CHERKAOUI¹ Hassan HANNACHE^{1,2}, Said GMOUH^{1,4} Naima HANAFI³ ¹ESITH, REMTEX, Morocco ^{2,3} Faculty of Science Ben Sik, Casablanca, Morocco ⁴ Molecular Chemistry Dep, CNRST, Morocco</p>	<p><i>"Perception gap between vendors & buying agencies in the apparel industry"</i> Archana GANDHI¹, Sunil SHARMA² ¹NIFT, India, ² Faculty of Management Studies, University of Delhi, India</p>	<p><i>"Functionalization of vegetable oils dedicated to the elaboration of bio-sourced composite matrices: application to the development of polyurethane resins"</i> Fouad MALEK UMPO, Oran, Algeria</p>
16H00 17H30	<p><i>"Ultrasonic welding of technical textile components used in cold weather shoes"</i> Selin Hanife ERYÜRÜK¹, Burçak KARAGÜZEL KAYAOĞLU¹, Fatma KALAOĞLU¹ Simona JEVSNIK², Zoran STJEPANOVIĆ², Andreja RUDOLF², Tatjana RIJAVEC³ ¹Istanbul Technical University, Turkey ²University of Maribor, Faculty of Mechanical Engineering, Slovenia ³University of Ljubljana, Faculty of Natural Science and Engineering, Slovenia</p>	<p><i>"Design methodology and performance studies of a flexible electrotextile surface"</i> Ozan KAYACAN¹, Özlem KAYACAN¹ Ender BULGUN², Burçin ESER³ Maşuk PAMUK³ ¹Dokuz Eylül University, Textile Eng. Dept, Turkey ²Izmir Univ. of Economics, Faculty of Fine Arts & Design, Turkey, ³Uniteks Textile Company, Turkey</p>	<p><i>"Filament spinning and functionalization of bio-sourced polymers for advanced properties: starch-based Polylactic acid, castor oil-based polyamide 11, sugar can-based polyethylene..."</i> Aurélie CAYLA ENSAIT, GEMTEX, France - Univ. Lille Nord de France</p>
	<p><i>"Preparation of Microwave Absorbing Films on Fabrics by Layer-by-Layer Assembly"</i> Christine CHENH^{1,2}, Ying MA¹, Yiping QIU¹ ¹Donghua University, China ²ENSAIT, GEMTEX, France</p>	<p><i>"Thermal properties of non-woven composite"</i> Ana Marija GRANCARIC¹, Anita TARBUK¹ Lea BOTTERI¹, Seshadri S. RAMKUMAR² ¹University of Zagreb, Faculty of Textile Technology, Croatia ²Institute of Environmental and Human Health and Dept of Environmental Toxicology, Texas Tech University, USA</p>	<p><i>"Implementation of various bio-sourced polymers and plant fibers for the development of nonwoven-based composite materials obtained via compression molding: study of mechanical and acoustical behaviors"</i> Bernard VERMEULEN ENSAIT, GEMTEX, France - Univ. Lille Nord de France</p>
		<p><i>"A kinetic study of water sorption on knitted fabrics"</i> Nesma Sawsen ACHOUR^{1,2} Mohamed HAMD AOUI^{1,2}, Sassi BEN NASRALLAH² ¹Dept of Textile Engineering, ENIM, Monastir University, Tunisia ²LESTE, Monastir University, Tunisia</p>	
19H30 23H30	CONFERENCE GALA DINNER "LE VIEIL ABREUVOIR"		