

	HALL	M425	AUDITORIUM	M450	M460
Monday September 19th, 2022					
9h30-10h00	Registration	EXHIBITION			
10h00-10h30			Opening remarks		
10h30-11h00			THE IMPACT AND LEGACY OF OUR CLOTHING IS TO IDENTIFY US AS A NATION Special Guest : Tracy Toulouse Clothing designer and traditional artisan (CANADA)		
11h00-11h30			PATTERNMAKING FOR ATTRACTIVE CLOTHING FOR MASS CUSTOMIZATION Keynote : Kim KyoungOk Associate Professor at Faculty of Textile Science and Technology, Shinshu University (JAPAN)		
11h30-13h00			Lunch		
13h00-13h30			Presentation from Technitextile québec – gold partner		
13h30-14h00			SMART MATERIALS & SYSTEMS: HAS EMBRACING UNCERTAINTY BECOME VITAL TO COMMERCIALISATION ? Keynote : Marie O'Mahony Senior Lecturer (Research), Textiles Department, Royal College of Art (RCA) (UNITED KINGDOM)		
14h00-14h30			FIBER-BASED MATERIALS: FROM NANO TO MACRO SCALE Keynote : Raúl Fangueiro Professor and Senior Researcher at the School of Engineering of the University of Minho (PORTUGAL)		
14h30-16h00			FROM MILKWEED TO VEGETO Keynote : Ghyslain Bouchard General Manager of Vegeto (CANADA)		
17h00-19h00	Networking Cocktail		Health Break & Poster Session		
19h00	Social Event : Gardens of Light /Jardin des Lumières Montréal Botanical Garden				
Tuesday September 20th, 2022					
8h30 à 9h00	Registration				
9h00-9h30			THE ROLE OF SMART TEXTILES IN THE FUTURE OF HEALTH Keynote : Pierre-Alexandre Fournier Co-Founder and CEO of Hexoskin (CANADA)		
9h30-10h00			ÉVOLUTION DU PLACEMENT AUTOMATISÉ DES FIBRES DE RENFORT DANS LA FABRICATION DES PIÈCES COMPOSITES Keynote : Nicolas Juillard Vice President Technology and Development – Textiles Monterey – Texonic – Lincoln Fabrics at Monterey Group (CANADA)		
10h00-10h30			INTELLIGENT GARMENTS FOR ONLINE MONITORING OF HUMAN HEALTH AND WELL-BEING Keynote : Xianyi Zeng Professor at the ENSAIT School of Textile Engineering – Director of the GEMTEX Laboratory (FRANCE)		
10h30-10h50		Health Break	PRESENTATION FROM DUVALTEX – GOLD PARTNER		
10h50-12h10			SMART AND FUNCTIONAL TEXTILES – BLOC S1	DIGITAL TOOLS & MASS CUSTOMIZATION – BLOC D1	SUSTAINABLE PRODUCTION & ECOTEXTILES – BLOC E1
10h50-11h10			DEVELOPMENT OF PIEZO-RESISTIVE YARN SENSOR FOR LOCAL MEASUREMENT OF IMPACTED WOVEN STRUCTURE Cédric Cochrane ENSAIT	THE USE OF SOCIAL MEDIA DATA TO IMPROVE FORECAST ACCURACY : A LITERATURE REVIEW Mariam Atwani, Kenza Izikki, Mustapha Hlyal LASTIMI/ ESITH	BIODEGRADABLE PLASTICS FROM COTTON CELLULOSE : POTENTIAL APPLICATIONS FOR TEXTILE PACKAGING Abidi Nouredine S. Rumi, S. Lijanage Texas Tech University
11h10-11h30			PROPERTIES OF FUNCTIONALIZED WOOL FIBERS AND THEIR EFFECTS ON THE REMOVAL OF VARIOUS POLLUTING ANIONS FROM AQUEOUS SOLUTIONS Akoh Fatine, Abdelkrim Boumeqane, Omar Cherkaoui, Mohamed Tahiri Hassan II University of Casablanca	FROM INDUSTRY 4.0 TO RESEARCH 4.0. DEVELOPMENT OF HIGH-PERFORMANCE FIBERS IN THE LIGHT OF DIGITIZATION José Canga Rodríguez, Steffen Müller-Probandt DIENS Apparatebau GmbH	SYNTHESIS AND CHARACTERIZATION OF A NEW CHELATING SUPPORT BASED ON ACRYLIQUE FIBER WASTE Meriem Saadouni ESITH
11h30-11h50			ECG ELECTRODES VIA EMBROIDERING OF SILVER-PLATED POLYAMIDE YARN ON COTTON FABRIC Abreha Bayrau Nigusse, Benny Malengier Université de Gand	OVERVIEW OF TRANSPORT IN SUPPLY CHAIN WITH FUZZY LOGIC APPROACH Samir Tetouani ESITH	NOVEL LYOCCELL FIBRE FROM ALBERTA-GROWN HEMP Degenstein Lauren, D. King, L. Lawson, W. Chute, P.I. Dolez Davey Textiles Solutions
11h50-12h10			SIMULATION TECHNIQUES FOR SMART TEXTILE PREDICTIVE DESIGN Caitlin Knowles, Beomjun Ju, Busra Sennik, Amanda C. Mills, Jesse S. Jur North Carolina State University		EFFECT OF CHEMICAL TREATMENT ON MOROCCAN ALFA FIBER THERMAL BEHAVIOR Kawtar Lamhour, Tizloui Abdeslam, Omar Cherkaoui Université Hassan II de Casablanca
12h10-13h10	Networking lunch				
13h10			NANOTECHNOLOGY & ADVANCED TECHNICAL TEXTILES – BLOC N1	MEDICAL TEXTILES – BLOC M1	SUSTAINABLE PRODUCTION & ECOTEXTILES – BLOC E2
13h10-13h30			INVESTIGATION OF CONDUCTIVE PRINTED THERMOPLASTIC POLYURETHANE NANOFIBERS TO DETECT THE CLOGGING OF AIR FILTERS Parian Mohammadi, Elham Mohsenzadeh, Cedric Cochrane, Vladan Koncar ENSAIT Roubaix and HEI, JUNIA Lille	INTELLIGENT GARMENT BASED ECG MONITORING IN ELDERLY CARE WITH AI SUPPORT Linti Carsten Sandra Blocher, Robert Downes, Martina Bandte German Institutes for Textile and Fiber Research Denkendorf	FASHION SCHOOL BACK TO THE FARM Marie-Ève Faust Ecole supérieure de mode de UQAM
13h30-13h50			ANTIBACTERIAL PVDF@ZNO COATING ON COTTON FABRICS BY ELECTROSPINNING METHOD FOR PROTECTIVE CLOTHING APPLICATIONS Khadja El Kalaoui, O. Bili, A. Boukhriss, M. Ait Chaoui S. Majid, and S. Gmouh Faculty of Sciences Ben M'Sik	WASH ANALYSES OF E-TEXTILE FLEXIBLE AND WEARABLE MOTHERBOARDS, PREDICTION OF DAMAGES Shahood Uz Zaman, Vladan Koncar ENSAIT	GREEN AND SUSTAINABLE DYEING OF WOOL WITH Madder PLANT OF THE MOROCCAN FLORA Fatim Ezhra Mesrar, Hamza Tachallait, Khalid Bougrin, Rachid Benhida Mohamed VI Polytechnic University
13h50-14h10			PRESENTATION FROM ELKIMIA – GOLD PARTNER		COLORIMETRIC STUDY ON THE VALUATION OF COTTON TEXTILE ARTICLES POST-CONSUMER RECYCLED Meyrem Essaket, Majda Mazri, Pascal Denizart ESITH
14h10-14h30			TOWARDS INCLUSION OF MYCOSPORINE BY CONTINUOUS EXTRUSION PROCESS: THE IDEAL WAY TO BENEFIT ANTI-UV PROPERTIES FOR LAMINATED LAYERS? Poussard Loïc, J. E. Laquerre, A. Ibrahim, E. Khalil Groupe CTT		REGENERATED CELLULOSIC FIBERS FROM AGRICULTURAL WASTE Georgios Pririotakis, Sofia Plakantonaki, Marina Stergiou University of West Attica
14h30-14h50		Health Break	FLAME RETARDANT AND HYDROPHOBIC ELECTROSPUN TEXTILE COATING BASED ON PVDF/IMIM/PPF6 Oumaima Billi, K. El Kalaoui, A. Boukhriss, M. Ait Chaoui, S. Majid, M. El Kouali, S. Gmouh Faculty of Sciences Ben M'Sik		
14h50			SMART AND FUNCTIONAL TEXTILES – BLOC S2	COMFORT & PROTECTIVE TEXTILES – BLOC P1	COMPOSITES AND TEXTILE REINFORCEMENT – BLOC C1
14h50-15h10			TESTING METHODS FOR ASSESSING THE DURABILITY OF JOULE HEATING TEXTILES Mahmud Shakil, Justine Decaens, Patricia Dolez University of Alberta	MECHANICAL, MORPHOLOGICAL AND CHEMICAL ANALYSIS OF FIRE-PROTECTIVE FABRICS AFTER HYDROTHERMAL AGING Saiful Hoque, Dr. Patricia Dolez, Dr. Hyun-Joong Chung Université d'Alberta	MANUFACTURING OF NEAR-NET-SHAPE COMPOSITE PARTS USING TAILORED FIBER PLACEMENT PREFORMS Marie-Claude Bélanger, Patricia Forcier CDCQ
15h10-15h30			INKJET PRINTING OF SILVER CONDUCTIVE INK ON TEXTILES FOR ELECTRONIC APPLICATIONS Abdelkrim Boumeqane ESITH	DEVELOPING A PRESERVATION-PROMOTING FABRIC FOR MUSEUM TEXTILES Ankita Shroff, Anjali Karolia, Devarshi Gajjar, Patricia Dolez Maharaja Sayajirao University of Baroda / University of Alberta	MULTI MATERIAL COMPOSITES REINFORCEMENT FOR COMPOSITES MATERIAL : SMART HYBRIDS Yves Mathieu, Nicolas Juillard CDCQ
15h30-15h50			3D PRINTING OF FLEXIBLE CONDUCTIVE FILAMENTS FOR ELECTRONIC TEXTILE APPLICATIONS Goncu-Berk Gozde University Of California, Davis	TEARING PROCESS OF MOISTURE BARRIERS USED IN FIREFIGHTERS' PROTECTIVE CLOTHING MUNEVAR Laura Munevar-Ortiz, John A. Nychka, Patricia I. Dolez University of Alberta	INVESTIGATION ON BIO-SOURCED TEXTILE REINFORCEMENT FOR COMPOSITE MATERIAL BASED ON SISAL MOROCCAN YARNS Francois Boussa, Zineb SAMOUH, Ahmed ABED ENSAIT
15h50-16h10			ARTIFICIAL INTELLIGENCE IN TEXTILE SUPPLY CHAINS: TOWARD IOT DEEPER USE IN RETAIL STORES Laaziz El Hassan ESITH	TOWARDS COMMERCIALIZATION OF GRAPHENE-BASED END-OF-LIFE SENSORS FOR FIRE PROTECTIVE FABRICS Yehia Diana, L. Lawson, D. King, H.-J. Chung, J. Batcheller, P.I. Dolez Davey Textiles Solutions	BENDING PROPERTIES OF FIBER COMPOSITE DILATANT COMPOUND Kobayashi Shunichi Shinshu University
16h10-16h30					A NOVEL BI-LAYER FLEXIBLE PIEZOELECTRIC NANOGENERATOR BASED ON POLYVINYLIDENE FLUORIDE: MODELING AND ANALYSIS Meriem Boutaldat Université Hassan II de Casablanca
16h30-16h50					RECYCLING OF CFRP BY PYROLYSIS UNDER AMBIENT AIR Ali Jadidmia, Cynthie Dega, Rachid Boukhili Polytechnique Montréal
18h00	Social Event : Gourmet tasting at ITHQ (5 course meal)				
Wednesday September 21th, 2022					
8h30-9h00	Registration				
9h00-9h30			AWARD CEREMONY – PROTOTYPES		
9h30-10h00			WORLD TEXTILE ENGINEERING ADVANCED MASTER Keynote : Lieva Van Langenhove Ghent University		
10h00-10h30			HOW ESITH WAS ABLE TO SUPPORT THE OPERATORS OF THE MOROCCAN TEXTILE SECTOR DURING THE COVID-19 CRISIS Keynote : Omar Cherkaoui R&D Director and Professor-Researcher at ESITH (MOROCCO)		
10h30-12h00		Health Break			
10h30-10h50			NANOTECHNOLOGY & ADVANCED TECHNICAL TEXTILES – BLOC N2	COMFORT & PROTECTIVE TEXTILES – BLOC P2	
10h50-11h10			MULTIFILAMENTS BASED ON PARTIALLY MISCIBLE POLYMERS BLEND FILLED WITH CARBON NANOTUBES Julie Regnier, Aurélie Cayla, Christine Campagne ENSAIT	EFFECT OF WATER LEVEL ON THE WATER-VAPOR TRANSMISSION RATE OF FABRICS USING THE UPRIGHT CUP METHOD Islam Rashedul, Patricia Dolez University of Alberta	
11h10-11h30			ELABORATION OF ANTIBACTERIAL FIBERS BASED ON POLYVINYL ALCOHOL (PVA) REINFORCED WITH CHITOSAN BIOPOL Khmais Zdiri, Ahmed Mezheri Laboratoire de Physique et Mécanique Textiles (LPMT)	FLAME RETARDANT FINISHING OF COTTON FABRIC BASED ON IONIC LIQUID COMPOUNDS CONTAINING BORON PREPARED WITH THE SOL-GEL METHOD. Mohamed El Messoudi, A. Boukhriss, M. El Bouchti, A. Bentis, M. Ait Chaoui, M. El Kouali, S. Gmouh Université Hassan II de Casablanca	
11h30-12h00			IMPROVING THE UV RESISTANCE OF HIGH PERFORMANCE FIBERS: CHALLENGES AND CONSTRAINTS? MYCOSPORIN DERIVATIVES MIMICS NEOSOLIS™ TO IMPROVE THE UV RESISTANCE OF ARAMID FABRICS IN THE SIMULATED EXTREME ENVIRONMENT. Ahmad Ibrahim, J. E. Laquerre, L. Poussard, J. Decaens, E.A Khalil Groupe CTT	TENSILE BEHAVIOR OF TWILL WEAVE FABRICS CONTAINING SPANDEX Taiye Balaji Josephine, Tamara Krawchuk, Patricia Dolez University of Alberta	
12h00-13h00		Networking lunch	DEVELOPMENT OF MULTIFUNCTIONAL TEXTILE VIA THE SOL-GEL SURFACE FUNCTIONALIZATION Said Gmouh, M. Elbouchti and A. Boukhriss FSBM	TOWARDS AN ADAPTATION OF ISO 11092 AND ISO 9920 STANDARDS FOR COLD AND WINDY ENVIRONMENTS. Vinches Ludwig, Stéphane Hallé, Mohamed Zemzem Montreal University	
13h00-13h30			CIRCULAR ECONOMY DEPLOYMENT IN TEXTILE INDUSTRY Keynote : Daoud Ait-Kadi Professor and Researcher at Université Laval (CANADA)		
13h30-14h00			THE COLLABORATIVE AND COLLECTIVE APPROACHES : A MAJOR STAKE IN MEETING THE CHALLENGES OF TOMORROW Keynote : Bruno Mougín Innovation Projects manager, senior expert at Techtera (FRANCE)		
14h00-15h20			COMPOSITES AND TEXTILE REINFORCEMENT – BLOC C2	SMART AND FUNCTIONAL TEXTILES – BLOC S3	
14h00-14h20			RECYCLING OF CFRP BY MICROWAVE-ASSISTED PYROLYSIS Dega Cynthie, A. Jadidmia, R. Boukhili, K. Léger, J-P. Lavolette Groupe CTT	MATHEMATICAL MODELS TO DESCRIBE THE DYNAMIC HEATING-COOLING PROFILES OF SMART HEATING TEXTILES WITH DIFFERENT BOUNDARY CONDITIONS Ikra Iftekhar Shuvo, Patricia Dolez Université d'Alberta	
14h20-14h40			CHEMICAL TREATMENTS OF MOROCCAN SISAL FIBER FOR MECHANICAL APPLICATIONS ON BIO COMPOSITES Ilham Essaket, Mohamed El Wazna, Anas El Maliki ESITH	STUDYING AND MONITORING OF DYEING COTTON FABRICS VIA SOL-GEL METHOD Tarik Aaboub ESITH	
14h40-15h00			THE EFFECT OF LAMINATE SEQUENCES ON TUFT BRIDGING IN GFRP LAMINATES UNDER TENSILE LOADING Esmaili Sobhan, S. Joncas École de technologie supérieure	SMART APPAREL DESIGN FOR URINARY INCONTINENCE DETECTION Audrey Coulombe, J. Guérineau, N. Mezghani Vestechpro	
15h00-15h20			3D TEXTILE COMPOSITE BEAMS WITH A NEW WEAVING PATTERN Melisa Dincer Université technique d'Istanbul	FLEXIBLE PIEZOELECTRICS SENSOR BASED ON PVDF-HFP/PLA NANOCOMPOSITE BLEND DOPED PZT FOR SMART TEXTILE Oumghar Khadja, Nabil Chakhchaoui ESITH	
15h20-15h40		Health Break			
15h40-16h40			SUSTAINABLE PRODUCTION & ECOTEXTILES – BLOC E3	MEDICAL TEXTILES – BLOC M2	
15h40-16h00			A LOW COST AND ECOLOGICAL FLAME RETARDANT POLYURETHANE COATING BASED ON THE SYNERGISTIC EFFECT OF WOOL FIBER Meryem Essaket, Mohamed El Wazna, Elmalki Anas ESITH	THERMOPHYSIOLOGICAL ASSESSMENT OF FACE MASKS Farzan Gholamreza, Dr. Kevin Golovin, Dr. Abbas Milani Université de la Colombie-Britannique	
16h00-16h20			STUDY AND CHARACTERIZATION OF MOROCCAN WOOL FIBERS FOR THE DEVELOPMENT OF NON-WOVEN PRODUCTS Nabil Azou ESITH	A WASHABLE EEG TEXTRODE FOR BRAIN ACTIVITY MONITORING Granch Berhe Tsegghai, Benny Malengier, Lieva Van Langenhove Université de Gand	
16h20-16h40			BIODEGRADATION PROPERTIES OF NATURAL FIBERS FOR AGROTEXTILE NONWOVENS PRODUCTION Ruzica Brunsek, N. Jugov, P. Marasovic, Anica Mioč University of Zagreb Faculty of Textile Technology	SILICA-XEROGEL COATED COTTON AS MULTIFUNCTIONAL TEXTILE: DEVELOPMENT AND CHARACTERIZATION Mohamed Assal Université Hassan II de Casablanca	
16h40-16h45			Closing remarks		