



Day 1 (Monday) – 27th April 2015

9.00	Opening Session					
9.30	<p>Keynote Speak: "Biomimetic functional materials based on cellulose and chitin nanofibers"</p> <p>Prof. Qi Zhou Royal Institute of Technology Sweden</p> <p style="text-align: right;">Chair: Mario de Araujo</p>					
	Room 1		Room 2		Room 3	
10.15	Biomimetics (Session chair: Gary Chinga-Carrasco)	<p>ID 182</p> <p>Antimicrobial Electrospun Membranes of Selp/Ag Composites</p> <p>Raul Machado Centre of Molecular and Environmental Biology, University of Minho Portugal</p>	New processes for natural fiber, agriculture extraction and processing (Session chair: Malgorzata Zimniewska)	<p>ID 5</p> <p>Use of agave atrovirens fibers for production of cellulases by Trichoderma asperellum</p> <p>Naivy Yuvicel Nava Universidad Autonoma de Coahuila Mexico</p>	New & Innovative natural fibers and structures (Session chair: Jólía Barúque-Ramos)	<p>ID 193</p> <p>Characterization of Brazil nut fibers</p> <p>Nelida Lucia del Mastro IPEN-CNEM/SP Brazil</p>
10.30		<p>ID 49</p> <p>Development of Bio-Inspired Composites: Hygroscopic Behaviour of Vegetal Fibres as a key factor</p> <p>Antoine Le Duigou University of South Brittany – LIMATB France</p>		<p>ID 64</p> <p>Controversial Thoughts on the Competing Forces during cellulose disolution and regeneration: amphiphilicity and role of hydrophobic interactions</p> <p>Bruno Medronho University of Algarve Portugal</p>		<p>ID 141</p> <p>Mechanical Properties of Tururi Fiber</p> <p>Amanda Sousa Monteiro University of São Paulo Brazil</p>
10.45		<p>ID 264</p> <p>Design and Fashion – The Influence of Biomimetics in Symbolic and Aesthetic product features</p> <p>Débora Estimas Federal University of Piauí Brazil</p>		<p>ID 183</p> <p>Application of Electro- Technologies in the Processing of Flax Stems</p> <p>Vijaya Raghavan McGill University Canada</p>		<p>ID 186</p> <p>Electrospun fibres composed of recombinant silk-elastin protein and pla blends: properties and morphology</p> <p>Raul Machado Centre of Molecular and Environmental Biology, University of Minho Portugal</p>
11.00 – 11.30	Coffee-break					
11.30	Greencomposites (Session chair: Aart van Vuure)	<p><i>Invited speaker:</i> The revolution of the relationship between the scientific world and the business community</p> <p>Raul Fangueiro University of Minho Portugal</p>	Functional natural fibers (Session chair: Juan P. Hinestroza)	<p>ID 221</p> <p>Antioxidant activity of flax fibers</p> <p>Malgorzata Zimniewska Institute of Natural Fibres & Medicinal Plants Poland</p>	Product development-based on natural fibers (Session chair: Dilip Tambyrajah)	<p>ID 209</p> <p>Resin transfer moulding (rtm) production of surfboard fins with natural fibres, part II: experimental work and testing</p> <p>Aitor Hernandez Michelena University of Plymouth Spain</p>
11.45				<p>ID 160</p> <p>Nanoparticle deposits on micro- and nanofibrillated cellulose fibers: effect of fiber morphology and rheological properties</p> <p>Pieter Samyn University of Freiburg Germany</p>		<p>ID 62</p> <p>Hemp and flax fibers in production of artistic papers with natural dyestuff</p> <p>Katarzyna Schmidt-Przewozna Institute of Natural Fibres & Medicinal Plants Poland</p>
12.00				<p>ID 88</p> <p>Enhance of the interfacial adhesion between natural rubber and pineapple leaf fiber for better stress transfer in their composites</p> <p>Nuttapong Hariwongsanupab Mahidol University and Institut de Science des Matériaux de Mulhouse Thailand</p>		<p>ID 172</p> <p>Structures of carboxylated celuloose fibers – fates of S1, S2 and S3 layers</p> <p>Goeun Sim McGill University Canada</p>



12.15		ID 42 Fire resistance and fire reaction of Bio-Composite sandwiches for building construction Pietro Di Modica Mechanical and System Engineering School, Newcastle University United Kingdom		ID 195 Degradation of indigo blue dye by using plantain fibers modified with nanoparticles Yuliana Cadavid University of Colombia Colombia		ID 43 A novel denim fabric with increased thermal comfort properties at real wearing conditions Lubos Hes Technical University of Liberec Czech Republic
12.30		ID 75 Efficient utilization of biomass to produce sound-absorbing composites Eulalia Gliscinska Lodz University of Technology Poland		ID 236 Simultaneous applications of reactive dyes and reactive-type microcapsules on cotton fabric Erhan Öner Marmara University Turkey		ID 297 Hemp fibre from crops grown on reclaimed land for the production of sanitary mats Jacek Kolodziej Institute of Natural Fibres and Medicinal Plants Poland
12.45		ID 210 Eco-friendly epoxy resin/flax fibre composite system as a material for surf boards production Aitor Hernandez Michelen University of Plymouth Spain		ID 256 Functional composite aerogels based on nanocellulose and platinum nanoparticles Ricardo Pinto University of Aveiro Portugal		ID 216 A novel aqueous process for the production of textile from cellulose fibers Theo van de Ven McGill University Canada
13.00 – 14.00	Lunch					
14.00	Properties and characterization of natural fibers & structures (Session chair: Mario de Araujo)	<i>Invited speaker: The Magic of Wild Silk Fibres and Structures</i> Prof. Xungai Wang Australian Future Fibres Research and Innovation Centre Australia	Natural fibers based polymeric composites (Session chair: Sohel Rana)	ID 32 Effect of dry heat treatment on jute fabric for improvement in mechanical properties of jute: unsaturated polyester resin based polymeric composite by compression moulding method Ammayappan Lakshmanan National Institute of Research on Jute and Allied Fibre Technology India	Applications of natural fibers in high end sectors (Session chair: B. Singh)	ID 200 Evaluation of natural fibres from brazilianmavaceae family and its potential as reinforced composites Barbara Maria Gama Guimaraes University of São Paulo Brazil
14.15				ID 56 Flax fiber reinforced Polymide 11 composite: influence of constituents and process parameters Yann Lebaupin ESTACA France		ID 103 A study of the feasibility of wool bonded polyurethane for sportswear applications Maryam Naebe Deakin University Australia
14.30				ID 50 Analysis of chemical and mechanical properties of coconut fiber to development of products Célia Regina da Costa Politecnico di Milano – Department of Design Italy		ID 78 Effect on carbon blacks as hybrid filler in short pineapple leaf fiber reinforced nitrile rubber composites Kontapond Prukkaewkanjana Mahidol University Thailand



14.45		<p>ID 72</p> <p>Mechanical characterisation of willow based on micro-CT and digital volume correlation (DVC) analysis</p> <p>Jin Tao</p> <p>The Australia National University Australia</p>		<p>ID 93</p> <p>Effect of Fiber morphology and structure onto the properties of miscanthus-reinforced composites</p> <p>Jordi Girones</p> <p>CEMEF – Mines Paristech France</p>		<p>ID 108</p> <p>Use of natural fiber in pavement – natural rubber and leather buffing dust as bitumen modifier</p> <p>Chidambaram Kamaraj</p> <p>Anna University Chennai India</p>
15.00		<p>ID 84</p> <p>Influence of moisture conditions on the creep behaviour of jute yarns</p> <p>Amandine Céline</p> <p>Institut de Recherche en Génie Civil et Mécanique France</p>		<p>ID 95</p> <p>Evaluation of Mechanical and thermal properties of short hybrid natural fiber reinforced composites</p> <p>Kishor Kumar</p> <p>Kakatiya Institute of Technology and science India</p>		<p>ID 134</p> <p>Studies on improvement of natural jute fiber geotextile by asphalt binders for paving applications</p> <p>P.K.Jain</p> <p>Central Road Research Institute India</p>
15.15		<p>ID 132</p> <p>Influence of stem morphology and fibers stiffness on the lodging stability of flax</p> <p>Alain Bourmad</p> <p>University of South Brittany France</p>		<p>ID 97</p> <p>Nature of plants fibers: influence on the final properties of composite</p> <p>Morgane Tanguy</p> <p>Cooper Standard France</p>		<p>ID 145</p> <p>Nanofibers of triacetate cellulose obtained by electrospinning for medical application</p> <p>Silgia Aparecida da Costa</p> <p>University of São Paulo Brazil</p>
15.30		<p>ID 44</p> <p>Characterization of the tensile mechanical behavior of fibers obtained from wastes of ornamental plants</p> <p>José Roberto d'Almeida</p> <p>Pontífica Universidade Católica do Rio de Janeiro Brazil</p>		<p>ID 100</p> <p>A genotype effect on the properties of sorghum-reinforced composites</p> <p>Loan Thi To Vo</p> <p>Mines ParisTech, PSL Research University France</p>		<p>ID 152</p> <p>Repair of masonry elements subjected to axial bending loads using flax-frcm composites</p> <p>Rosamaria Codispoti</p> <p>University of Calabria Italy</p>
15.45 – 16.15	Coffee-break					
16.15	Natural fiber modification techniques (Session chair : Theo van de Ven)	<p><i>Invited speaker:</i></p> <p>Fiber Science: Understanding how it works and speculating on its future</p> <p>Prof. Mario de Araujo</p> <p>University do Minho Portugal</p>	Textile Processing of natural fibers (Session chair: Maria Teresa Pessoa Amorim)	<p>ID 111</p> <p>Ecological comparison of natural dyeing and reactive dyeing of cotton fabrics</p> <p>ELÇİN GÜNEŞ</p> <p>Namik Kemal University Turkey</p>	Analytics Modelling and prediction of properties (Session chair: Jan Ivens)	<p>ID 74</p> <p>Formability of the flax fibre reinforcements during the manufacturing</p> <p>Fatma Omrani</p> <p>University of Lille France</p>
16.30				<p>ID 109</p> <p>Effectiveness of fenton process in decolorization of reactive dye effluents depending on the dye chromophore</p> <p>YALÇIN GÜNEŞ</p> <p>Namik Kemal University Turkey</p>		<p>ID 188</p> <p>Mechanical performance of thermoformed natural fibre reinforced thermoplastic product: numerical simulations versus experiments</p> <p>Frederik Desplentere</p> <p>KU Leuven Belgium</p>
16.45				<p>ID 98</p> <p>Novel method to improve stiffness of cotton fabric permanently</p> <p>Vijay Baheti</p> <p>Technical University of Liberec Czech Republic</p>		<p>ID 131</p> <p>Low temperature dyeing of mohair (angora goat) fibers with acid dyes in the presence of nonionic surfactant</p> <p>RIZA ATAV</p> <p>Namik Kemal University Turkey</p>



17.00	<p>ID 135 Fluorination as an effective way to reduce natural fibers hydrophily Karine Charlet Institut Pascal France</p>		<p>ID 142 Coloration properties of cotton fabric, finished with neem oil nanoemulsion Marziyeh Khatibzadeh Amirkabir University of Applied Sciences Iran</p>		<p>ID 101 A finite element analysis to validate the rule-of-mixtures for the prediction of the young's modulus of composites with non-circular anisotropic fibres John Summerscales University of Plymouth United Kingdom</p>
17.15	<p>ID 140 Structural modification of turmeric dye extraction residue for film production Bianca Maniglia University of São Paulo Brazil</p>	<p>Properties and characterization of natural fibers & structures (Session chair: Polona Dobnik Dubrovski)</p>	<p>ID 360 Characterisation of cashmere-type fine down hairs of native goats in Turkey Gulcin Cilveli Namik Keumal University Turkey</p>	<p>Analytics Modelling and prediction of properties (Session chair: John Summerscales)</p>	<p>ID 325 Tensile strength and size effect among ultimate flax fibers Moussa Gomina Laboratoire CRISMAT France</p>
17.30	<p>ID 171 Biodegradation of wool used for the production of innovative geotextiles designed to erosion control Jan Broda University of Bielsko-Biala Poland</p>		<p>ID 293 Physico-chemical and mechanical properties of kenaf fiber Yosr Ben Mlik University of Monastir Tunisia</p>		<p>ID 299 Young's modulus of plant fibers Moussa Gomina CRISMAT, ENSICAEN France</p>
17.45	<p>ID 192 Chemically Treating Fibers to Improve Interfacial Bonding in Banana Fiber-Reinforced Composite Materials William Jordan Baylor University United States</p>		<p>ID 222 Physicochemical characterization of buriti palm fiber (Mauritia flexuosa MART.) Ivete Cattani University of São Paulo Brazil</p>		<p>ID 197 Predictive modelling of porous structure of nonwovens made from the blends of viscose and polyester fibers Polona Dobnik Dubrovski University of Maribor Slovenia</p>
18.00	<p>Social Program – Visit Ponta Delgada</p>				



Day 2 (Tuesday) – 28th April 2015

Keynote Speak2: "Teaching Cotton New Tricks via Manipulation of Nanoscale Phenomena"			
9.00	<p>Prof. Juan Hinestroza Cornell University NY, USA</p> <p style="text-align: right;">Chair: You-lo Hsieh</p>		
	Room 1	Room 2	Room 3
9.45	<p>Discover Natural Fibres Initiative Malgorzata Zimniewska Institute of Natural Fibres & Medicinal Plants Poland</p>	<p>ID 374 Cellulose nanowhisker obtained from cotton rejected by textile industry Andrea Zille University of Minho Portugal</p>	<p>ID 263 Brazilian textile recycling of cotton and other materials Júlia Baruque-Ramos University of São Paulo Brazil</p>
10.00	<p>ID 232 Flax/linen: filiere, market expansion and consumer attitudes - the new challenges Marie Demaegdt CELC European Confederation of Flax and Hemp France</p>	<p>ID 306 Thermophysical performance of electrospun cotton webs Nuno Belino University of Beira Interior Portugal</p>	<p>ID 198 Ultrasonic washing of greige cotton fabrics Muhammed İbrahim Bahtiyari Erciyes University Turkey</p>
10.15	<p>ID 295 A review of wool recycling and reuse Angus Ireland Australian Wool Innovation Ltd Australia</p>	<p>ID 231 Obtainment and characterization of (nano)lignin from oil palm (Elaeis guineensis) fibrous waste João Paulo Saraiva Morais Embrapa Cotton Brazil</p>	<p>ID 185 Biostudio: printing and dyeing using actinobacteria Breno Abreu University of Brasilia Brazil</p>
10.30	<p>ID 96 Wool as Heirloom Tone Skoårdal Tobiasson and Ingun G. Klepp Norwegian Institute for Consumer Research Norway</p>	<p>ID 240 Hydroxyapatite-bacterial cellulose nanocomposites derived from agro-industrial wastes Morsyleide Freitas Rosa Embrapa Tropical Agroindustry Brazil</p>	<p>ID 157 Laundering of linen fabrics with a novel algorithm Hatice Acikgoz Istanbul Technical University Turkey</p>
10.45	<p>ID 168 Natural Fibres and the World Economy Terry Townsend ICAC International Organization</p>	<p>ID 45 Isolation and characterization of nanocellulose whiskers and lignin from coir fibers José Roberto d'Almeida Pontifícia Universidade Católica do Rio de Janeiro Brazil</p>	<p>ID 276 Softening of colombian plantain fiber fabric Maria Camila Gallego Universidad Pontificia Bolivariana Colombia</p>
11.00 – 11.30	Coffee-break		



11.30	Markets for natural fibers (Session chair: Raechel Laing)	<p><i>Invited speaker:</i> Globalisation as the main determinant for the market of fibrous plants in Poland</p> <p>Prof. Grzegorz Spychalski Institute of Natural Fibres & Medicinal Plants Poland</p>	New & Innovative natural fibers & structures (Session chair: Helena Cristina Vasconcelos)	<p>ID 202</p> <p>Electrospun fibres of an elastina-like recombinamer functionalized with na antimicrobial domain</p> <p>André da Costa University of Minho Portugal</p>	New processes for natural fiber agriculture extraction and processing (Session chair: Morsyleide Freitas Rosa)	<p>ID 81</p> <p>Ontogenesis and yields of fibre flax cultivars in diferente growing conditions</p> <p>Krzysztof Heller Institute of Natural Fibers and Medicinal Plants Poland</p>
11.45		<p>ID 286</p> <p>Hemp cultivation opportunities and perspectives in Lithuania</p> <p>Vaida Jonaitienė Kaunas University of Technology Lithuania</p>		<p>ID 201</p> <p>Studies of Nettle (Girardinia Diversifolia) Fibre Blended Yarns</p> <p>Sunil Kumar Sett University of Calcuta India</p>		<p>ID 90</p> <p>Effects of drying on the dietary fibre of banana pseudostem (musa balbisiana & musa acuminata)</p> <p>George Srzednicki UNSW Australia</p>
12.00		<p>ID 148</p> <p>How to Meet Tomorrow's Market Needs Today</p> <p>Andreas Giehl</p>		<p>ID 127</p> <p>Exploring the use of amazonic nanostructured fibers as prêt-à-porter fabrics</p> <p>Carolina Obregon Jorge Tadeo Lozano University Colombia</p>		<p>ID 91</p> <p>Influence of separation methods on the strength of pineapple leaf fiber</p> <p>Budsaraporn Surajarasarn Mahidol University Thailand</p>
12.15		<p>ID 300</p> <p>Hemp cultivation opportunities and perspectives in Lithuania</p> <p>Vaida Jonaitienė Kaunas University of Technology Lithuania</p>		<p>ID 147</p> <p>Renewable materials for stab resistance</p> <p>Marcus O. Weber</p>		<p>ID 107</p> <p>Analysis of mass motion in the processo f physical-mechanical degumming of flax fibers</p> <p>Wanda Konczewicz Institute of Natural Fibers and Medicinal Plants Poland</p>
12.30		<p>ID 382</p> <p>Nanocellulose in biomedical area: brief review</p> <p>Catarina Guise University of Minho Portugal</p>		<p>ID 302</p> <p>Novel Auxetic structures from Basalt fibre based braided composites for structural applications</p> <p>Subramani Pichandi University of Minho Portugal</p>		<p>ID 120</p> <p>Comparative analysis of physical properties for conventional silk degumming processes and corona treatment</p> <p>Daives Bergamasco State University of Campinas Brazil</p>
12.45		<p>ID 372</p> <p>Auxetic effect of natural fiber knitted fabrics</p> <p>Fernanda Steffens University of Minho</p>		<p>ID 146</p> <p>How does mechanical and chemical treatment affect soybean straw delignification/bleaching?</p> <p>Bianca Maniglia University of São Paulo Brazil</p>		
13.00 – 14.00	Lunch					



14.00	Nanodimensional natural fibers (Session chair: M. Paiva)	<p><i>Invited speaker:</i> Nanocelluloses: Natural Fiber Deconstruction and (Re)Essemblage to Engineer New Materials Orlando Rojas, Aalto University, Finland and NC State University, USA</p>	Greencoposites (Session chair: Qinglin Wu)	ID 175 Effect of Fiber Reinforcement on Tensile Strength and Flexibility of Corn Starch-based Bioplastic Ajay Singh Jethoo Malaviya National Institute of Technology India	Natural fiber based polymeric composites (Session chair: Grzegorz Spychalski)	ID 118 Extending the linear elastic response region of flax fibre reinforced polymers using chemical treatments Jan Ivens KU Leuven Belgium
14.15				ID 241 Analysis and evaluatoion of mycelium reinforced natural fiber bio-composites Greg Holt USDA-ARS United States		ID 119 Investigation of the behaviour of flax fibre composites in humid conditions Dieter Perremans KU Leuven Belgium
14.30		ID 61 Self-assembling of amphiphilic nanocellulose You-Lo Hsieh University of California United States		ID 224 Influence of flax cell wall components on the interfacial behavior of flax woven fabric - epoxy biocomposites Acera Fernandez Ecole des Mines d'Alés France		ID 163 A mechanical analysis of wood plastic composites reinforced with cellulose fibres and cellulose regenerated fibres Claudia Möhl Fraunhofer Institute for Mechanics of Materials Germany
14.45		ID 284 Investigation on the homogeneity and stability of aqueous nano cellulose suspensions prepared using pluronic f-127 Sohel Rana University of Minho Portugal		ID 215 Damage tolerance of hemp fibre reinforced bio-based epoxy laminates subjected to low-velocity impact Claudio Scarponi Sapienza-Università di Roma Italy		ID 166 Effects of water ageing on the mechanical properties of flax and glass fiber composites: degradation and reversibility Guilherme Apolinario Testoni École des Mines d'Alés France
15.00		ID 174 Nanofibrillated cellulose-reinforced latex prepared via miniemulsion polymerization Oleksandr Nechyporchuk University of Grenoble Alpes France		ID 305 Cotton fabrics – carriers of Vitamin E? Sandra Bischof University of Zagreb Croatia		ID 179 A comparative study on cellulose fibre- reinforced PLA AND PP composites: Compression moulding vs. injection moulding Nina Graupner University of Applied Sciences Germany
15.15		ID 144 Electrospun bio-nanocomposite from grafted poly(lactic acid) reinforced with cellulose nanocrystals Qinglin Wu LSU AgCenter United States		ID 275 Antibacterial coating formulations based on NFC and photo-active TiO2 nanoparticles Joana Mendes INNOVHUB–SSI, Paper Division Italy		ID 205 A checklist for the description of natural (bast) fibre reinforced composites John Summerscales University of Plymouth United Kingdom
15.30		ID 31 Nanofibrillar celulose (NFC) obtained from wheat straw Alejandro Rodríguez University of Córdoba Spain		ID 238 Cassava starch films added with soybean straw Vinicius Fabiano dos Passos University of São Paulo		ID 154 Parametric study on the manufacturing of biodegradable composites Ángel Rubio-López University Carlos III of Madrid Spain
15.45 – 16.15		Coffee-break				



16.15	Markets for natural fibers (Session chair: Angus Ireland)	<p><i>Invited speaker:</i> A value chain and cluster approach: The key to accelerating natural fiber composite market development</p> <p>Dilip Tambyrajah International National Fiber Organization Netherlands</p>	Natural fiber based cementitious composites (Session chair: Sofiane Amziane)	<p>ID 47 Eco-efficient earthen plasters. The influence of the addition of natural fibers</p> <p>José Lima Institute Manuel Teixeira Gomes Portugal</p>	Sustainability of Natural fibers: Lyfe cycle assessment studies (Session chair: Terry Townsend)	<p>ID 155 End of life technologies for flax-thermoplastic composites and their effects on the environment</p> <p>Farida Bensadoun University of Leuven Belgium</p>
16.30		<p>ID 311 Technological process development and innovative products for camelid fibres value chain</p> <p>Nancy Jater INTI – Center for Research and Development Textile Argentina</p>		<p>ID 65 Overview of Studies on Green Concrete using Natural Fibers</p> <p>Mounir Mabsout Lebanese University Lebanon</p>		<p>ID 258 Cotton dyeing with extract from renewabel agro industrial bio-resources: a step towards sustainability</p> <p>Teresa Linhares University of Minho Portugal</p>
16.45		<p>ID 308 Wool in human health and well-being</p> <p>Raechel Laing University of Otago New Zeland</p>		<p>ID 126 Tensile and bond characterization of natural fibers embeed in inorganic matrices</p> <p>Daniel Oliveira University of Minho Portugal</p>		<p>ID 271 “Retalho Fashion”: A tool for environmental planning for adequate destination of textile waste at São Paulo city (Brazil)</p> <p>Welton Fernando Zonatti University of São Paulo Brazil</p>
17.00		<p>ID 58 Nanoindentation measurements of jute/poly lactic and composites</p> <p>Vijay Baheti Technical University of Liberec Czech Republic</p>		<p>ID 180 Strength parameters of composites based on treated hemp hurds</p> <p>Ivana Schwarzova Technical University of Kosice Slovakia</p>		<p>ID 125 Application of natural dyes from olive tree pruning extract in dyeing of chitin and protein materials</p> <p>Teresa Linhares University of Minho Portugal</p>
17.15	Greencomposites (Session chair: William Jordan)	<p>ID 59 Polycaprolactone reinforced with natural fibres as potential biocomposite for orthoses</p> <p>Fabrizio Sarasini Sapienza-University of Rome Italy</p>	<p>ID 130 The influence of wet/dry treatment on the properties and fibre-matrix bonding of vegetable fibre cement mortar composites</p> <p>Mònica Ardanuy Universitat Politècnica de Catalunya Spain</p>	Properties and characterization of natural fibers & structures (Session chair: Xungai Wang)	<p>ID 128 Mechanical properties and wetting behaviour of technical hemp fibres</p> <p>Carlos Fuentes Rojas University of Leuven Belgium</p>	
17.30		<p>ID 395 Mechanical characterization of bio-epoxy eco-composites reinforced with fibrous structures based on natural fibers</p> <p>Fernando Cunha University of Minho Portugal</p>	<p>WINNER OF THE NATURAL FIBRENAMICS AWARD</p>		<p>ID 123 The effect of material type and tighness on termal resistance of wetted fabrics</p> <p>Zehra Evrim Kanat Namik Keumal University Turkey</p>	
17.45		<p>WINNER OF THE BEST POSTER AWARD</p>	<p>ID 194 Influence of the physiochemical properties of plant fibres on their damping behaviour</p> <p>Marie Joo Le Guen Scion New Zeland</p>			
18.00	Social Program – Conference Dinner					



Day 3 (Wednesday) – 29th April 2015

Keynote Speak3: "Natural bio-composites: research highlights on the performance of bamboo, flax and hemp fibers"			
Prof. Aart W. van Vuure Catholic University of Leuven Belgium Chair: Gary Chinga-Carrasco			
	Room 1	Room 2	Room 3
9.00			
9.45	ID 219 Criptoméria wood in sustainable surfboard construction André Mestre INSULA – Surfboards & Handplanes Portugal	ID 303 An Overview on Bio-aggregate-based Building Materials : Applications to Hemp Concretes Sofiane Amziane Clermont University France	ID 370 Interfaces in alfa fibre-polyethylene matrix composites Maria Paiva University of Minho Portugal
10.00	ID 228 Contreira leaves as natural composites Helena Cristina Vasconcelos University of Azores Portugal	ID 307 Hemp fibres – a promising Reinforcement for cementitious materials Ildiko Merta University of Technology Vienna Austria	ID 278 Mechanical properties of untreated açai fibers-polyester composites under flexural tests: preliminary results Nubia Santos University of State of Pará Brazil
10.15	ID 260 Beta vulgaris pulp by-product of azorean sugar industry as a rich source of edible fiber: possibilities and opportunities Elisabete Lima University of Azores Portugal	ID 304 Assessment of mechanical properties of hemp concrete by means of a statistical approach M. Sonebi Queen’s University Belfast United Kingdom	ID 296 Innovation of flame retardant engineering plastics reinforced with natural fibre Ahmed El-Sabbagh Clausthal University of Technology Germany
10.30	ID 269 The surplus value of the azorean beta vulgaris (L.) fiber as a beneficial food supplement Lisete Paiva University of Azores Portugal	ID 301 Development of auxetic structures from braided composites produced from basalt fiber Subramani Pichandi University of Minho Portugal	ID 266 Development of a pine sawdust plastic composite to produce a new dynamic shading system Gabriela Martins University of Coimbra Portugal
10.45	Fibrenamics Azores – Platform for the development of Azorean geo natural fiber-based products Carlos Almeida Fibrenamics Portugal	ID 226 Natural fibers for soil reinforcement Raquel Carvalho University of Minho Portugal	ID 265 Eucalyptus plastic composites characterization to produce tiles for green roofs Gabriela Martins University of Coimbra Portugal
11.00 – 11.30	Coffee-break		



11.30	Applications of natural fibers in high end sectors (Session chair: Lubos Hes)	<p>Invited speaker: Nanocellulose-based biocomposites for wound healing applications</p> <p>Prof. Gary Chinga-Carrasco Paper and Fibre Research Institute Norway</p>	<p>ID 294 Influence of diferente extraction methods on physical and mechanical properties of typha leaf fibers Yosr Milk Laboratory of Textile Engineering Tunisia</p>	Natural Fiber based polymeric composites (Session chair: Claudio Scarponi)	<p>ID 254 DSC analysis of in-situ polymerizes poly(butylene terephthalate) flax fiber reinforced composite produced by RTM Cristina Romão School of Technology and Management, Polytechnic Institute of Viseu Portugal</p>
11.45			<p>ID 292 Combined enzymatic "Bio-retting" and customisation of flax/hemp fibre moisture/bio-resin retention Jan Marek INOTEX Czech Republic</p>		<p>ID 165 Nanocelulose Composites Using a Recombinant Protein Based Polymer as a Matrix Bruno Oliveira PIEP – Innovation in Polymer Engineering Portugal</p>
12.00		<p>ID 190 Enzymatic and bacterial degradation of flax and hemp yarns for geotextile applications: influence of green protective treatments Pierre Ouagne Université Orléans France</p>	<p>ID 203 Chitin and chitin/celulose blends in ionic liquids for processing of films, coatings and fibers Antje Ota Institute of Textile Chemistry and Chemical Fibers Germany</p>		<p>ID 214 Processing of wet preserved natural fibres with injection molding compounding (IMC) Hans-Jörg Dr. Gusovius Leibniz-Institute f Agricultural Engineering Potsdam-Bornim Germany</p>
12.15		<p>ID 79 Development and characterization of alginate and hybrid alginate/chitosan fibers for medical application Silgia Aparecida da Costa University of São Paulo Brazil</p>	<p>ID 237 Isolation and characterization of acid soluble collagen from mechanically separated meat wastes of tilapi (Oreochromis niloticus) Joao Paulo Saraiva Morais Embrapa Cotton Brazil</p>		<p>ID 85 A possible correlation investigation between young's modulus, termal properties and mechanical strength of greencomposites Mourad CHIKHI /Centre de Développement des Energies Renouvelables Algeria</p>
12.30		<p>ID 208 Experimental research of building materials based on the natural cellulosic fibres under biogenic acidic exposition Adriana Estokova Technical University of Kosice, Faculty of Civil Engineering, Institute of Environmental Engineering Slovakia</p>	<p>ID 220 Influence of enzymatic-based extraction processo n the tensile properties of elementar alfa fiber Sabrina Hanana ENIS Tunisia</p>		<p>ID 73 Performance of alkali treated jute/vinylester-urethane composites under hygro/hydrothermal conditions B. Singh Central Building Research Institute India</p>
12.45		<p>ID 233 Green building-blocks extraction from oil palm fibrous wastes Morsyleide Freitas Rosa Embrapa Tropical Agroindustry Brazil</p>			<p>ID 211 Eco-friendly epoxy resin/flax fibre composite system interface improvement with the chemical treatments of the flax surfasse and resin formulation Aitor Hernandez Michelena University of Plymouth Spain</p>
13.00	Closing Ceremony				
13.30	Lunch				