

TIWC 2018 CONFERENCE PROGRAMME

Tuesday 24th July				
08:00	Registration			
08:50 - 09:00	Welcome Prof. Chris Carr, University of Leeds			
09:00 - 09:30	Conference Opening Katie Greenyer, Pentland, The Textile Institute World President, Future proofing our Textile Institute			
09:30 - 10:00	Keynote Prof. Jintu Fan, Cornell University, Recent Advances In Smart and Multi-Functional Fibrous Materials and Clothing			
10:00 - 10:30	Keynote Nick Chiarelli, Foresight Factory, Integrating design with sustainable technology			
10:30 - 11:00	BREAK			
11:00 - 12:30	Innovations For Natural Fibres	Functional Textiles	Technical Textiles	Design, Fashion and Retail
	158. Factors affecting the durability of lightweight merino activewear fabrics Dr. Stewart Collie, AgResearch, New Zealand	31. Development of a wearable smart fabric with thermo-stimuli drug delivery function Dr. Songmin Shang, Hong Kong Polytechnic University, Hong Kong	SK*. High Value Manufacturing with Textiles, crimped or non-crimped Prof. Prasad Potluri, University of Manchester, UK	SK. Textiles in Transition: Are you Ready for Industry 4.0? Prof. Omera Khan, University of London, UK
	233. Structure Design and Spinning Technology of the core-stretch yarn for all-cotton stretchable denim Prof. Hu Jiyong, Donghua University, China	313. Development of an active compression system for treating the venous disease in lower human limb Gayani Nandasiri, Nottingham Trent University, UK	290. High-performance flame-retardant finishing for cotton fabric by blue light cured coating Guangdong Sun, Zhejiang Sci-Tech University, China	381. Eco-system services and the circular economy for textiles Dr. David Tyler, Manchester Metropolitan University, UK
	145. Engineered Material from Natural Fibre for Interior Design Applications Dr. Abu Sayem, Manchester Metropolitan University, UK	296. Self-assembled Reduced Graphene / Few-Walled Carbon Nanotube Hybrid Fibers as Binder-free Electrodes for Flexible Supercapacitors Dr. Yunming Jia, Zhejiang Sci-Tech University, China	161. Sustainable Fashion Textiles Research on Innovative 3D Spacer Fabrics Comprising Shape Memory Alloy Wire for Pressure Reduction and Redistribution Shuk-Fan Tong, Hong Kong Polytechnic University, Hong Kong	288. Exploring secured traceability systems for implementation in textile and clothing supply chain Tarun Agrawal, University of Boras, Sweden
329. Retting Parameters and Textile Properties of Brassica napus Fibre Ikra Shuvo, University of Manitoba, Canada	426. New generation of functionalized textiles: to protect and enhance human capabilities Roberto Teixeira, Devan Chemicals, Belgium	164. Artificial blood vessel using silk nanofibers Dr. Yoshihiro Yamashita, Osaka Seikei College, Japan	128. A study of fashion mass customization with modularity level design Dr. Qingying Li, Donghua University, China	
12:30 - 13:30	LUNCH			
13:30 - 15:30	Innovations for Natural Fibres	Functional Textiles	Technical Textiles	Design Fashion and Retail
	392. A new generation of textile fibre from canola biomass and the impact of cultivar on fibre quality Ikra Shuvo, University of Manitoba, Canada	52. Carbon-based yarn supercapacitor for energy storage Prof. Jonathan Chen, The University of Texas at Austin, USA	162. Evaluation of Thermal Properties of Functional Garment for Orthopedic Bracing Treatment Dr. Joanne Yip, Hong Kong Polytechnic University, Hong Kong	SK. John Lewis - Reinventing Britain's favourite department store David Mallinson, John Lewis, UK
	353. Efficacy Of Anti-Perspiration Finish Using Eco-Friendly Herbal Extracts On Silk Filaments Felicia Sunil, The Gandhigram Rural Institute - Deemed University, India	203. Assembly Nanocomposite Membranes of Aramid Nanofibers on Cellulose Nanocrystals for Water Purification Prof. Yuqing Liu, Soochow University, China	349. Optimization of fabric structure for favourable effect of shear thickening fluid impregnation on impact resistance performance Sanchi Arora, Indian Institute of Technology Delhi, India	399. The omni-channel concept: a case study about the union of sales channels in Portugal Prof. Maria Abreu, University of Minho, Portugal
	422. An innovative cellulosic fibers- typha domingensis naturally growing on swampy lands Dr. Ritu Pandey, Chandra Shekhar Azad University of Agriculture & Technology, India	174. Improved Recovery Elasticity of Calfskin Leather by Facile Post Finishing with Novel Polyurethane agents Yanting Han, Hong Kong Polytechnic University, Hong Kong	289. Integral shaping of woven fabrics for feather down products Dr. Yanxue Ma, Donghua University, China	187. Programming Biomimetic Knitwear Using Botanical Models of Differential Growth Dr. Jane Scott, University of Leeds, UK
	342. Characterization of Bamboo composites Underscoring Node Effects Irfan Iqbal, Wuhan Textile University, China	303. The influence of structural variation for resistance of conductive knitted fabrics Dr. Su Liu, Donghua University, China	113. Wearable and washable textile sensors for ecg long-term real time monitoring Amale Ankhili, Ensait, France	357. An effective design specification methodology for less wasteful product development Chris Lewis, Thread Design and Development, UK
	39. Corona treatment applied in the processing of silk waste. Study of properties such as hydrophilicity and tensile strength. Prof. Daives Bergamasco, Unicamp - State University of Campinas, Brazil	264. Optical sensing textile yarn for wearable electronics Achala Satharasinghe, Nottingham Trent University, UK	62. Development of Regenerated Silk Fibres and Textiles for Medical Device Applications Dr. Chris Agboh, Xiros, UK	49. Nightlight using photoluminescent printed fabrics for the elderly Richa Sharma, National Institute of Fashion Technology, Bengaluru, India
	222. Biobased compostable gloves from sustainable material and prediction of their thermal properties Muhammad Maqsood, Maastricht University, Netherlands	429. Novel approach for Designing of Nanogel loaded Biomaterial for Wound care Application Dr. V.d. Gotmare, Veermata Jijabi Technological Institute, India	310. Development of Bio-Composite Structures for Interior Noise Reduction in Automobiles Erhan Sancak, Marmara University, Turkey	59. Comparative study of calculated and actual dimensions in shaped weft knitwear Prof. Jess Power, Staffordshire University, UK Dr. Kevin Almond, University of Leeds, UK
15:30 - 16:00	BREAK			
16:00 - 18:00	Innovations for Natural Fibres	Functional Textiles	Technical Textiles	Design Fashion and Retail
	176. Ultrasonic-assisted sustainable dyeing of wool fabric using Arjun bark (Terminalia arjuna) extracts Dr. Shumaila Kiran, Government College University, Pakistan	312. Wearable Technology: Present and Future Sophie Wilson, University of Otago, New Zealand	191. Textiles in connective tissue repair; a review of laboratory and in vivo data over the past three decades Dr. Bahaa Seedhom, Xiros, UK	SK. Apparel Co-design Based on the Sensory Requirements of the Consumers Prof. Yan Chen, Soochow University, China
	132. Development of jute fabric-aluminium foil laminated bag for packaging tea Prof. Debasish Das, University of Calcutta, India	47. Smart Diaper for Healthcare Management Dr. Chi-Leung Patrick Hui, The HongKong Polytechnic University, Hong Kong	50. Textile technical integration of shape memory alloys into reinforcing fabrics for the development of adaptive pleated fiber-reinforced plastics Moniruddoza Ashir, Technische Universität Dresden, Germany	SK. The role of CTES in promoting the commercial and technical global strategy for the Chinese Textile industry Fu Guangwei, China Textile Engineering Society, China
	421. Chemical Intervention of Indian Yak Fibre for Development of Jute/Yak Fibres blended Warm Textile for Application in Cold Climate Dr. Kartick Samanta ICAR, India	391. Study of the liberation profile of the microencapsulated methyl salicylate on chitosane and gum arabic in a textile substrate for sports Dr. André Catarino, University of Minho, Portugal	177. Tubular braids with tuneable Poisson's ratio Ning Jiang, Hong Kong Polytechnic University, Hong Kong	146. Analysis of the Sustainable Development Potential of As You Like It Costume Design Working Module Prof. Yi-mei Wang, National Taiwan University, Taiwan
	110. Investigation of bark cloth for its surface texture and durability for apparel applications Dr. Praburaj Venkataraman, Manchester Metropolitan University, UK	260. Novel techniques to analyse the water vapor permeability of car seat Adnam Mazari, Technical University of Liberec, Czech Republic	404. Synthesis of electrospun composite nanofibres doped with stimuli-responsive molecular switches for designing advanced sustainable smart textiles for conventional and high-tech applications Dr. Shah Billah, University of Durham, UK	397. Made in Macclesfield: community engagement through contemporary textile crafts Francesca Lockett Richardson, University of Huddersfield, UK
	100. Effect of short fibre content and fibres' length variability on Drafting force and sliver evenness. Muhammad Qasim Siddiqui, Quetta, Pakistan	308. Moisture transportation and thermal comfort properties of bi-layer knitted fabric intended for adaptive bra Aqsa Imran, Université Haute-Alsace, France	160. Finite Element Approach for Modelling Non-Invasive Flexible Orthopaedic Device on Scoliotic Patient Wing-Yu Chan, Hong Kong Polytechnic University, Hong Kong	373. Developing creative industries in Sri Lanka: The case of hand loom textiles Carolyn Downs, Lancaster University, UK
433. Eco Friendly Coloration of Polyester Fabric Using Green Synthesis of Silver Nano Particle K. M. Faridul Hasan, Wuhan Textile University, China	291. Changing our ways: exploring leno weave as a tool to understand erosion Nicola Redmore, University of Huddersfield, UK	126. Challenges arising from test methods for foot coverings Prof. Raechel Laing, University of Otago, New Zealand	218. The development of methodologies for designers engaging with digital colour inkjet printing in textile design Becky Gooby, University of the West of England, UK	
18:00 - 20:00	Poster Session, Light Buffet and Refreshments			

Wednesday 25th July				
08:00	Registration			
08:40 - 09:05	Keynote Prof. John Xin, Hong Kong Polytechnic University, Development of Bionic Structural Colors for Sustainable Textile Applications			
09:00 - 09:30	Keynote Prof. David Hinks, North Carolina State University, Catalyzing a Resurgent Textiles Industry via Community College - Industry - University Partnerships			
09:30 - 10:00	Keynote Prof. Behnam Pourdeyhimi, North Carolina State University, Nonwovens, the Other Textiles? Past, Current and Future Opportunities			
10:00 - 10:30	Keynote Prof. Jianzhong Shao, Zhejiang Sci-Tech University, Fabrication of tough photonic crystals for structural colouration of textiles			
10:30 - 11:00	Break			
	Innovations for Natural Fibres	Functional Textiles	Protective and Barrier Textiles	Design Fashion & Retail
11:00 - 12:30	409. Structure-property relationship of all staple fibre friction spun core yarn Manik Bhowmick, ICAR-NIRJAFT, India	330. Surface modification of carbon fibres with graphene oxide for interface improvement in fibre-reinforced composites Lei Zeng, University of Manchester, UK	253. Preparation of PTFE Foam Coating Composite Filter with High Filtration Efficiency Prof. Hong Wang, Donghua University, China	259. Knitted Material in Movement Dr. Mandy Smith, Auckland University of Technology, New Zealand
	169. Sustainable Development of Hemp Industry: Lithuanian Review Dr. Vaida Jonaitiene, Kaunas University of Technology, Lithuania	331. Selective disassembly of fibre-reinforced rotational moulded composites by plasma functionalisation Dr. Muhammad Tausif, University of Leeds, UK	81. Flame-retardant and wear comfort properties of the modacrylic/fr-rayon/anti-static pet blend yarns and their woven fabrics Prof. Seung Jin Kim, Yeungnam University, Republic of Korea	230. Engineering of 3d printed haute couture fashion wear Dr Ramachandran Rajagopalan, PSG, India
	75. The study of reactive dye compatibility matrix of Levafix CA reactive dyes for dyeing of cotton fiber in solvent-assisted PEG-based reverse micelle dyeing system Yiu Lun Tang, Hong Kong Polytechnic University, Hong Kong	346. Fibre-based chemical sensors Dr. Carol Crean, University of Surrey, UK	142. The new concept of fabric constructions against electromagnetic radiation - multilayer textile packages Prof. Katarzyna Grabowska, Lodz University of Technology, UK	30. SOOT – A study of emotionally design and textile colourants Neha Rao, Chelsea College of Art and Design, UK
	157. Enhancement of tactile properties of paper yarn textiles Dr. Joel Peterson, University of Borås, Sweden	221. Dual Grafting Copolymerization, Sulfonation and Copper (II) Removal of Polypropylene Nonwoven Fabrics Prof. Xinsheng Zhu, Soochow University, China	428. Development of air filter efficiency tester for nonwovens Prof. P V Kadole, DKTE Society Textile & Engineering Institute, India	204. Color Vision Simulation of Apparel Design in people suffering from Dyschromatopsia and full Achromatopsia Anil Ramachandran, Periyar University, India
12:30 - 13:30	Lunch			
	Innovations for Natural Fibres	Functional Textiles	Protective and Barrier Textiles	Design, Fashion & Retail
13:30 - 15:30		SK. Promotion and Practice of International Standards in Leading Textile Enterprises: the SUNSHINE Experience Yong Xu, Jiangsu Sunshine Group, China	245. Effect of process parameters on visco-elastic properties of energy absorbing materials Dr. Yong Kim, University of Massachusetts - Dartmouth, USA	43. Are you doing the right thing ? Sustainability must give way to Responsibility Rakesh Vazirani, TUV Rheinland, Hong Kong
	425. Inherent antioxidant and antibiotic activity of lignocellulosic fibers predisposing them to functional clothing purpose Prof. Malgorzata Zimmiewska, Institute of Natural Fibers and Medicinal Plants, Poland	285. Developing conductive fabric using bacterial cellulose-polyaniline composite Hyunjin Kim, Sookmyung Women's University, Republic of Korea	356. Study On Effect Of Alkali Treatment On Coating Polyester Harness Cords Prof. Guangbiao Xu, Donghua University, China	418. The sharing economy: Fashion business enterprise cases Dr. Eunsuk Hur, University of Leeds, UK
	71. Dyeing of EDTA modified jute with reactive dyes in absence of salt Dr. Sumantra Bakshi, National Institute of Fashion Technology, Kolkata, India	95. Designing the future of the medical textile sector Holly Morris, University of Otago, New Zealand	337. A case study on mining curtains and its recycling aspects Dr. Asis Patnaik, Cape Peninsula University of Technology, South Africa	159. Practicing critical path in export based apparel production: a tool for social sustainability in Bangladesh Dr. Imranul Islam, Framingham State University, USA
		206. Design and Construction of Integrated Solar Textile Fabrics Dr. Robert Mather, Power Textiles Limited, UK	61. Development of a novel wound dressing material based on a blend of Psyllium and Alginate polysaccharides Dr. Chris Agboh, Xiros, UK	123. The No-Sew Revolution....the next chapter Anita Mitchell, Manchester Metropolitan University, UK
	435. Extraction of anthocyanins from blackcurrant (Ribes nigrum L.) fruit waste and application as renewable textile dyes Dr. Richard Blackburn, University of Leeds, UK	99. The influence of bra features on wearing comfort and breast support of bras Dr. Kit-lun Yick, Hong Kong Polytechnic University, Hong Kong	106. Investigation of thermal conductivity of 3D PET knits with different bio-ceramic additives Dr. Julija Baltusnikaite-Guzaitiene, Center for Physical Sciences and Technology, Lithuania	212. The Roles of Digital Print and Specialist Design & Colour Management Software in Sustainable Textile Printing Duncan Ross, AVA CAD/CAM, UK
143. Enzymatic coloration of bacterial cellulose via laccase-catalyzed polymerization of phenol compounds Ji Eun Song, Sookmyung Women's University, Republic of Korea	335. Surface Modification of Carbon Fibres for Interface Improvement in Textile Composites Jiawen Qiu, University of Manchester, UK	232. Development of nonwoven air filter for petrol and diesel engines Pranil Vora, D.K.T.E'S Textile & Engineering Institute, India	194. Fashion education: toybox or toolbox Anastasia Vouyouka, SITAM-AB Fashion Studies, Greece	
15:30 - 16:00	Break			
	Innovations for Natural Fibres	Functional Textiles	Functional Textiles	Design, Fashion & Retail
16:00 - 18:00	107. Human Hair Colouring by Utilising Chemical Oxidation of Bio-Catechols Dr. Takanori Matsubara, College of Industrial Technology, Japan	91. Technical textiles sustainable solutions to directly reduce global landfill waste of paint exhaust filtration in the automotive industry. Dr. Jane Howarth, University of Bolton, UK	363. Facile fabrication of amorphous photonic structures with non-iridescent and high-stable structural color on textile substrates Yichen Li, Zhejiang Sci-Tech University, China	368. Exploration of embroidered art for the preservation of Yoruba indigenous culture Dr. Olajide Makinde, Obafemi Awolowo University, Nigeria
	111. Dyeing of cotton yarn with natural extracts from lac, marigold flower, neem tree bark and Burma padauk tree bark Dr. Monthon Nakpathom, National Metal and Materials Technology Center, Thailand	214. The conductivity mechanism of polyacrylonitrile fibers doped in situ with silver nanoparticles Olga Rac-Rumijowska, Wroclaw University of Science and Technology, Poland	106. Investigation of thermal conductivity of 3D PET knits with different bio-ceramic additives Dr. Audrone Sankauskaite, Center for Physical Sciences and Technology, Lithuania	438. Lingerie in Patna Market: Exploring Trend Analysis and Consumer Perception in Tier- II city Prof. Deep Sagar Verma, National Institute of Fashion Technology, Patna, India
		136. Development of electrochemical polyaniline/BC composite using laccase catalysis Euijin Shim, Sookmyung Women's University, Republic of Korea	350. Synthesis of ethyl cellulose microcapsules with immortelle essential oil Prof. Sandra Bischof, University of Zagreb, Croatia	420. Exploring institutional influences for developing policy interventions and supply network capabilities for textiles Dr. Arsalan Ghani, University of Cambridge, UK
	430. Digital Color Management and Sustainability .. how does it all work in today's world? Christoph Bergmann, Naticf AG, Switzerland	371. Polylactic acid-polyaniline supported material for potential applications Dr. Mohammad Shahadat, Indian Institute of Technology Delhi, India	309. Optimization of fire resistant and comfort properties of knitted fabrics Dr. Hafsa Jamshaid, National Textile University, Pakistan	112. Video and photo analysis as a basis of pattern construction for wheelchair rugby sports-wear Dr. Sara Braganca, Southampton Solent University, UK
	Optimisation of Colour Fibre-Blend Systems Prof. Stephen Westland, University of Leeds, UK Dr. Caroline Hemingray, Leeds Beckett University, UK	352. Heat and moisture transport properties of hollow/microporous yarn fabrics Dr. Devanand Uttam, GZSCCET Batsinda, India	163. Innovative Design Methods for Creating 3D Textile Products Using Recycled Material Emma Grain, University of Bolton, UK	236. Sustainable design: a practice-led research project into zero waste design for the fashion industry Debbie Moorhouse, University of Huddersfield, UK
92. Dyeing properties improvement of weld on corona discharge treated wool fabric Dr. Aazam Talebian, Islamic Azad University, Iran	Delivering the Comfort and Performance that Customers Demand John Crocker, SDL Atlas Textile Testing Solutions, USA	276. Analyze of heat loss from the edge by FEM modeling Dr Hua Shen, Donghua University, China	275. Assessing the Impact of Sharing Textile Crafts Skills between UK and Indian Universities Dr. Julie King, University of Northampton, UK	
19:00	Conference Dinner Royal Armouries Leeds			

Thursday 26th July				
08:00	Registration			
09:00 - 09:30	Keynote Beatrix Ong			
09:30 - 10:00	Keynote Prof. Stephen Russell, University of Leeds, Nonwovens Fit for the Next Regeneration			
10:00 - 10:30	Keynote Prof. Calvin Wong, Hong Kong Polytechnic University, How Artificial Intelligence Reshapes Online Shopping Experience: Challenges and Opportunities?			
10:30 - 11:00	Break			
11:00 - 12:30	Textile Processes	Functional Textiles	Colour and Education	Design, Fashion & Retail
	398. Enzyme technology for sustainable textile coloration and surface pattern Prof. Jinsong Shen, De Montfort University, UK	94. FE simulation of the interaction between breast and daily bra during wearing Yue Sun, Hong Kong Polytechnic University, Hong Kong	SK. Importance of Colour for Textile and Clothing Prof. Tetsuya Sato, Kyoto Institute of Technology, Japan	198. The Deployment of Korean Cultural Elements in Printed Textiles Jihye Park, University of Leeds, UK
	297. Study on a water-saving and salt-free reactive dyeing of cotton fabrics in non-aqueous medium of liquid paraffin system Yuan An, Zhejiang Sci-Tech University, China	93. Analysis of bra design features for older women Shichen Zhang, Hong Kong Polytechnic University, Hong Kong	317. The impact of LED lighting for textile industry Prof. Ronnier Luo, Zhejiang University, China	223. Chaine Operatoire: Indonesian Stitch Resist Dyeing Technique Bintan Titisari, University of Leeds, UK
	193. Introduction of multi-dyes into Metal-Organic Frameworks materials for highly efficient photodegradation of ultra-stubborn dyes under visible-light irradiation Dr. Qing Li, Xi'an Polytechnic University, China	388. Evaluating the Thermal Comfort Properties of Different Fabric Constructions in order to Develop New Shirts for Outdoor Sports Dr. André Catarino, University of Minho, Portugal	298. Cotton color Measurement by Optical Scanner Dr. Chong Heng, Donghua University, China	41. Technically Craft: Interdisciplinary smart apparel design practice with interactive textiles Anne Toomey, Royal College of Art, UK
	270. Spinning of high hollow pet filaments and their physical property according to elution conditions Dr. Ji Man Kang, Korea Textile Development Institute, Republic of Korea	411. Textiles incorporated with MicroPCMs for thermal management applications Dr. Danmei Sun, Heriot Watt University, UK		405. Archiving futures: Cloth stories participatory methodologies and practices, can records and archives speak for themselves Rose Sinclair, Goldsmiths, UK
	155. Card aerodynamics - detailing the design of the new possibilities Dr. Debasish Banerjee, Blackstone Synergy Consulting Group Limited, Kenya	209. Material selection of warp knitted textiles used as reflector antennas on communications satellite Isa Bettermenn, RWTH Aachen University, Germany	258. Modeling of the yarn-fabric spectral reflectance for solid yarn-dyed fabric based on hyper-spectral imaging system Prof. Zhang Jianxin, Zhejiang Sci-Tech University, China	280. Design of Freestyle Machine Embroidery Prof. Run Wen, Donghua University, China
	228. Profitable and Sustainable Textile Processing through Probiotics Karun Tyagi, Proklean Technologies, India	104. Research and improvement of the fuzzing and pilling performance of fabric made from polyester interlaced yarn. MD Rokibul Hasan, Wuhan Textile University, China		226. The Marketing of Culture: Luxury Brands' Art Appropriation in China Dr. WenYing Claire Shih, Hsuan Chuang University, Taiwan
12:30 - 13:00	Lunch			
13:30 - 15:00	Textile Processes	Functional Textiles	Testing and Education	Design, Fashion & Retail
	377. Discriminatory Mechanical and Sensory Properties for the Study of Fabric Finishing in the Laundry Cycle Christopher Boardman, Unilever, UK	267. Study the Comfort properties of Conductive fabrics made by nanotechnology Azam Ali, Technical University of Liberec, Czech Republic	45. Virtual Learning Environments for future textile education Andrew Filarowski, Society of Dyers and Colourists, UK	
	154. Waterless pretreatment utilizing supercritical carbon dioxide fluid technology Zaide Saka, Uludag University, Turkey	LENZING Presentation	372. A Comparative Thermophysiological Study of Female Jeans Iara Braga, Federal University of Piauí, Brazil	319. Image creation on uniform jacquard textile by laser ablation and multi-layered friction-spinning technologies Dr. Frankie Ng, Hong Kong Polytechnic University, Hong Kong
	324. Effects of position and tension of nylon filament on properties of wool sirofil yarns Dr. Tao Hua, Hong Kong Polytechnic University, Hong Kong	74. Evaluation of stress distribution on body exerted by compression sports bras by using finite-element sub-models of body and sports bra Ruixin Liang, Hong Kong Polytechnic University, Hong Kong	437. Image-based Assessment of Fabric Pilling Peter A. Rhodes, University of Leeds, UK	131. Radical change for novice textile designers in accelerated CAD learning and application Dr. Phil Henry, University of Leeds, UK
	326. Influence of carding and punching parameters on fibre orientation in carded web and properties of needle punch nonwoven Rupayan Roy, Indian Institute of Technology Delhi, India	436. Investigation into the Wet Abrasion of Cotton Fabric and the Effect of Anti-Fibrillation Treatments Prof. Chris Carr, University of Leeds, UK	400. The perception of tactile feeling and corresponding textile attributes worldwide Prof. Maria Abreu, University of Minho, Portugal	396. Comparative analysis of different traditional textiles development from different parts of Nigeria Nkem Udeani, Federal University of Technology, Nigeria
	180. Study on the instantaneous synthesis process of AM-VAc solid copolymer sizing Prof. Hailiang Wu, Xi'an Polytechnic University, China	181. Effect Of Bicomponent Fibers On Acoustical Properties of Spunmelt Three-layered Nonwovens Dr. Dilan Canan Celikel, Gaziantep University, Turkey	365. Methods for Characterising Fabric Deformations Dr. Ningtao Mao, University of Leeds, UK	127. A study of fashion retailing in the presence of 3D printing Dr. Bin Shen, Donghua University, China
247. Sewing of Small Parts Using Overhead Material Handling System Dr Prabir Jana, National Institute of Fashion Technology, Delhi		114. Outlines and Outliers: A mix-method study of garment silhouette and ageing body shape Minzhi Zhang, University of Manchester, UK	434. International production sharing of the textile-clothing industry of Bangladesh and Asian exporters Md Masum, Ritsumeikan University, Japan	
15:30 - 16:00	Break			
16:00 - 16:30	Closing Ceremony			
16:30 - 19:00	School of Design Tour and Reception			

*SK Denotes Session Keynote