

Fashion-Textiles-Wearables (FTW 2026)

FTW 2026 Programme

Day 1 (Monday, 13 April 2026)

Day 1		13 April 2026 First Floor Hall, King's House Conference Centre, Manchester, M1 7HB
9:30		Registration and Arrival Tea & Coffee
10:00		Plenary Session 1 (Textile Innovation) Welcome by Conference Chair <i>Sadat Sayem, Editor, The Textile Institute Professional Publication Series</i>
	1	Opening Address <i>Professor Jess Power, Chair of The Textile Institute</i>
	2	Keynote 1 - Think to Innovate – Why the Future of Textiles Depends on the Quality of Our Thinking , Jason Kent, Chief Executive Officer, British Textile Machinery Association (BTMA)
10:55		Break
11:00		Technical Session 1A (Digital Fashion Innovation) <i>Chair - Professor Jess Power, Chair of The Textile Institute</i>
	3	Sensory and Emotional Perception of Pleated Pants: A Comparative Study of Actual and Virtual Representations Focusing on Reflectance <i>Jisoo Ha¹ and Sujin Lim², 1) Seoul National University, 2) Hongik University</i>
	4	Immersive Storytelling Through AR Textiles, AI and Digital Fashion <i>Jacqueline Toal, Dundalk Institute of Technology, Ireland</i>
11:55		Break
12:00		Technical Session 1B (Sustainable Textile & Fashion) <i>Chair – Professor Fiona Hackney, Manchester Metropolitan University.</i>
	5	Labelling structure for textile products considering differentiated eco-design aspects <i>Sabrina Mauter¹, Dominique C. Adolphe², Markus Muschkiet^{1,3}</i> <i>1) Hochschule Niederrhein University of Applied Sciences, 2) Université de Haute-Alsace, France</i> <i>3) Fraunhofer Institute for Material Flow and Logistics, Germany,</i>
	6	Examining The Influences of Ghanaian Consumer Care Practices on Garment Longevity , <i>Josephine Opoku, Akosua Mawuse Amankwah and Ebenezer Kofi Howard</i> <i>Kwame Nkrumah University of Science and Technology, Ghana</i>
13:00		Lunch



BRITISH TEXTILE MACHINERY ASSOCIATION



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14:00		Technical Session 1C (Textile Innovation) <i>Chair – Jason Kent, Chief Executive Officer, British Textile Machinery Association (BTMA)</i>
	7	Keynote 2 - Flexible/elastic ceramic nanofibrous materials <i>Professor Bin Ding, Vice President, Shanghai Polytechnic University</i>
	8	Nature-Inspired Biodegradable Textile with Integrated Evaporative-Radiative Cooling for Personal Thermal Regulation <i>Dong Lyu, Siru Chen, Kaixin Lin and Chi Yan Tso, City University of Hong Kong</i>
14:55		Break
15:00		Technical Session 1D (Textile Innovation) <i>Chair - Dr Mazed Islam, University of Southampton</i>
	9	Innovations in Infrared Coating Technologies for Yarns <i>Liam O'Neill, Roaches</i>
	10	Sustainable Textile Engineering Through Bio-Derived Cellulosic Materials <i>Aida Fadakarsarkandi, Omid Doustdar, Mingchao Liu and Karl David Dearn, University of Birmingham</i>
	11	Cationic Microencapsulation of Coconut Oil with CHPTAC and Ethyl Cellulose for Eco-Friendly Thermally Stable Textile Coatings <i>Zarnab Gul, Daiva Milašienė, Kaunas University of Technology, Lithuania.</i>
16:25		Break
16:30		Technical Session 1E (Fashion Innovation) <i>Chair –Dr. Sadat Sayem, Editor, The Textile Institute Professional Publication Series</i>
	12	The Sixth Sense Garment: A State-of-the-Art Framework for Sustainable Neurofashion <i>Andrew Burnstine, Lynn University, USA</i>
	13	New motifs for making waves: An update on motif design for optimal performance in women's competitive swimwear <i>Renee Lamb, Jennie Cook and Jacqueline Mullins, Virginia Commonwealth University, USA</i>
17:30		End of Day 1



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Day 2 (Tuesday, 14 April 2026)

Day 2		14 April 2026 First Floor Hall, King's House Conference Centre, Manchester, M1 7HB
9:00		Arrival Tea & Coffee
9:30		Plenary Session 2 (Digital Fashion) <i>Chair - Dr. Sadat Sayem, Editor - The Textile Institute Professional Publication Series</i>
	1	Keynote 3 - Wearables in Contemporary Design Practice <i>Professor Carolyn Hardekar, De Montfort University</i>
	2	The Era of Agentic AI: Redefining the Fashion Value Chain from Concept to Consumer <i>Elizabeth Brandwood, Style3D Assyst Europe</i>
10:25		Break
10:30		Technical Session 2A (Sustainable Textile & Fashion) <i>Chair –</i>
	3	What about us? Academics role in cocreating circular ecosystems: Evidence from Circular Textiles and Fashion transitions in the UK <i>Alaa Abed and Tulin Dzhengiz, Manchester Metropolitan University, UK</i>
	4	Adire Symbols in Textile and Fashion Designs: A Yoruba Cultural Perspective <i>Olayinka Olumide BAKARE and Christianah Yetunde KOLAWOLE, Modibbo Adama University, Nigeria.</i>
11:25		Break
11:30		Technical Session 2B (Textile Innovation) <i>Chair – Dr Julfikar Haider, Manchester Metropolitan University</i>
	5	Research on the Flame-Retardant Properties of Bio-Based Materials. <i>David Zheng, Shandong Aobo Environmental Protection Technology Co., Ltd, China</i>
	6	Innovations in Textile Testing <i>Simon Dakin, SDL ATLAS USA</i>
	7	Fabrication Strategies and Functionality of Superelastic Electrospun Nanofibrous Aerogels <i>Fei Wang, Donghua University, China</i>
13:00		Lunch

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14:00		Technical Session 2C (Sustainable Textile & Fashion) <i>Chair – Professor Carolyn Hardekar, De Montfort University</i>
	8	Durability and Desirability in the High Street: A Case Study Analysis of Clothing Donated to the Marks and Spencer Archive <i>Kevin Almond and Judith Simpson, University of Leeds</i>
	9	Integrating repurposing concepts into textile innovation: Humming the Ghanaian eco cottage innovation stories <i>Theophilous Tweneboah Osei-Bonsu, Naa Omai Sawyerr and Kweku Safo-Ankama Takoradi Technical University, Ghana</i>
14:55		Break
15:00		Technical Session 2D (Digital Fashion Innovation) <i>Chair – Professor Jisoo Ha, Seoul National University, Korea</i>
	10	Understanding User Responses to Virtual Try-On Through Large-Scale and Qualitative Studies, <i>Ian Anderson, Glance AI</i>
	11	How Virtual Fashion Experiences Realize: Digital Materiality and Tactility <i>Se Jin Kim, Hanyang University, Korea</i>
	12	Fashion Beyond the Physical: How Has the Framing of Digital Fashion Shaped Its Role in the Fashion Industry? <i>Salma Tallaa, De Montfort University</i>
15:55		Break
16:00		Technical Session 2E (Textile Innovation) <i>Chair – Dr. Kevin Almond, University of Leeds</i>
	13	Adjustable Textile Recycling Machine: Impact of Machine Settings on Fibre Quality <i>Yunhao Wu, Prasad Potluri, Claudia Henninger, The University of Manchester</i>
	14	Coupling Radial Conduction with Radiative Emission: The CAMIC Framework for High-Efficiency Passive Radiative Cooling, <i>Siru CHEN, Yihao ZHU and Man Ho CHOI; i2Cool Limited, Hong Kong</i>
	15	Ultrathin Dual-Network Aerogel Metafabric for Efficient Self Sustainable Heating via Dual Air-Gelation Synthesis <i>Yucheng Tian, Yixiao Chen, Sai Wang, Bin Ding; Donghua University</i>
16:55		End of Day 2

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Day 3 (Wednesday, 15 April 2026)

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9:00	Arrival Tea & Coffee
9:30	Technical Session 3A (Textile Innovation) Chair -
	1 Design of Thermal-wet comfortable and Cooling Wearable Masks via Engineered 2D Nanofibrous Networks for Enhanced Personal Protection <i>Xinxin Zhang, Ming Yang, Jianyong Yu and, Bin Ding; Donghua University, China</i>
	2 Design Evaluation of Protective Fabrics for Motorcyclists <i>Rashmi Thakur, Naveen Kumar Jha, Nandan Kumar, Sanjay R, National Institute of Fashion Technology, Mumbai, India</i>
10:30	Break
10:35	Technical Session 3B (Wearable Technology Innovation) Chair – Dr. Raju Ahmed, University of Manchester
	3 MXene-Enhanced Nanofiber Yarns for Dual-Mode Sensing in Wearable Electronics <i>Jian Tang¹, Han Liu¹, Yuting Wu², Fatemeh Mokhtari³, Jizhen Zhang⁴, Ken Aldren S. Usman⁵, Shidong Ma², Tao Yan², Zhijuan Pan², Haibo Xie¹, Kaichen Xu¹, Xungai Wang⁶, Joselito M. Razal⁶</i> 1) Zhejiang University, China, 2) Soochow University, China, 3) KU Leuven, Belgium, 4) National Institute for Materials Science (NIMS), Ibaraki, Japan, 5) Deakin University, Australia, 6) The Hong Kong Polytechnic University, China
	4 Architectural Strategies for Textile-Integrated Wearable Sensor Systems in Healthcare-Oriented Monitoring , Shivangi Madhavi Harsha ^{1,2} , Ajay Agarwal ¹ and Neeraj Gupta ² , 1) Indian Institute of Technology, Jodhpur, Rajasthan, India; 2) All India Institute of Medical Sciences, Jodhpur, India.
	5 Advancing Hallux Valgus Care: A Review of Data-driven Approaches in Orthoses Design Authors and Co-Authors in correct order <i>Mei-Ying KWAN¹, Kit-Lun YICK¹, Joanne YIP¹, Chi-Yung TSE²; 1) The Hong Kong Polytechnic University, Kowloon, China, 2) Centre for Orthopaedic Surgery, Hong Kong, China.</i>
11:55	Break
12:00	Technical Session 3C (Sustainable Textile & Fashion) Chair – Dr. Tulin Dzhengiz, Manchester Metropolitan University
	6 Development of a basic structure for the recovery of sorted laundry textiles to a closed cycle based on practical transfer <i>Lisa Gudehus¹, Sabrina Mauter¹ and Markus Muschkiet^{1,2}; 1) Hochschule Niederrhein University of Applied Sciences, Germany, 2) Fraunhofer Institute for Material Flow and Logistics, Germany</i>
	7 From Cabin to Circularity: Credible Upcycling of Aviation Textiles for Sustainable Fashion, N. <i>Jammoul¹ and G. Soliman^{2*}; 1) The University of Manchester, Dubai, UAE, 2) The University of Manchester, UK</i>
12:55	Lunch

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14:00		Technical Session 3D (Textile Innovation) <i>Chair –</i>
	8	Mechanically robust ceramic nanofiber materials <i>Cheng Liu¹ and Bin Ding^{1,2}, 1) Donghua University, 2) Shanghai Polytechnic University</i>
	9	Title TBC <i>Chelsea Sullivan, VeriVide Limited, UK</i>
14:55		Break
15:00		Technical Session 3E (Textile Innovation) <i>Chair - Dr. Sadat Sayem, Editor - The Textile Institute Professional Publication Series</i>
	9	Three-dimensional Woven Structural Composites for Advanced Engineering Applications <i>Soumya Chowdhury^{1,2}, Jost Göttert¹, and Bijoya Kumar Behera¹ 1) Niederrhein University of Applied Sciences, Germany, 2) Indian Institute of Technology Delhi, India</i>
	10	Circular Textiles Under Scrutiny: Performance Trade-offs in Mechanically Recycled Yarns from Post Consumer Textile Waste <i>Muhammad Sohaib Anas and Daiva Mikucioniene, Kaunas University of Technology, Lithuania.</i>
16:00		End of Day 3