The 2nd Artificial Intelligence on Fashion and Textile International Conference

AIFT 2019 - Final Programme *(updated as of 18/11/2019)*

Date		Time	Venue	Event					
25/11 (MON)	AM	9:30 - 17:00	SNIEC Entrance Hall 1 Information Counter	**AIFT Registeration / ShanghaiTex 2019 Tour** **Venue: SNIEC Entrance Hall 1 Information Counter**					
26/11 (TUE)	AM	9:00 - 9:30	Jumeirah Himalayas Hotel 3/F Ballroom	AIFT Registration					
		9:30 - 10:00		**AIFT 2019 Opening + Alliance Establishment Announcement**					
				Keynote Seesion **Venue: Jumeirah Himalayas Hotel 3/F Ballroom**					
		10:00 - 10:30		**Keynote Speech 1:** **Artificial Intelligence X Multimedia - Booster for the Fashion Industry** Prof. Chua Tet Seng, KITHCT Chair Professor, School of Computing, National University of Singapore					
		10:30 - 11:00		**Keynote Speech 2:** **SOFT SYSTEMS: Neo Couture for the 4th Industrial Revolution (4IR)** Prof. Anne Toomey, Head of Textile Programme, Royal College of Art, London					
		11:00 - 11:20		Tea Break					
		11:20 - 11:50		**Keynote Speech 3:** **The Inevitable and Revolutionary Future of the Fashion and Textile Industry** Prof. Calvin Wong, Cheng Yik Hung Professor in Fashion, Institute of Textiles and Clothing, Hong Kong Polytechnic University					
		12:00 - 13:50		Lunch					
	PM	13:50 - 15:10	SNIEC Meeting Room	**Parallel Session**					
				Section 1A: AI with Textiles Venue: SNIEC Meeting Room **E2-M17**			**Section 1B: AI with Fashion** Venue: SNIEC Meeting Room **E2-M19**		
				Session Chair: Junjun Fan(Shenzhen University)			Session Chair: Sungchan Park(Seoul National University)		
				13:50-14:10	Fabric Defect Detection and Classification Employing Deep Convolution Neural Network	FT488A	13:50-14:10	A Deep Learning based Architecture for Personal A.I. Fashion Stylist Services	FT273A
				14:10-14:30	Textile Fabric Defect Detection Based on Improved Faster R-CNN	FT394A	14:10-14:30	Online try-on: GANs and TPS	FT858A
				14:30-14:50	Computer Vision-Based Color Sorting for Waste Textile Recycling	FT346A	14:30-14:50	A Multi-Task Model for Multi-Attribute Fashion Recognition and Retrieval	FT594A
				14:50-15:10	Real-time fabric defect segmentation based on convolutional neural network	FT478A	14:50-15:10	High-resolution Tiled Clothes Generation From AModel	FT629A
		15:10 - 15:30		Tea Break					
				Session Chair: Zhou Jie (Shenzhen University)			Session Chair: Hong Wenting(Donghua University)		
				15:30-15:50	Automatic Fabric Defect Detection System based on Computer Vision and Artificial Intelligence	FT238A	15:30-15:50	Automatic classification of garment illustration based on inception	FT482A

		15:30 - 16:50		15:50-16:10	Automatic Fabric Defect Detection by Neural Architecture Search	FT867A	15:50-16:10	Clothing Color Collocation with Deep Neural Networks	FT382A	
				16:10-16:30	Textile Defect Detection and Classification based on Convolutional Neural Network and SVM	FT239A	16:10-16:30	Feature Norm-based Deep Network for Multi-domain Fashion Image Retrieval	FT989A	
				16:30-16:50	Color-Shade Detection of Fabrics Using K-Means Clustering & Sorting Accordingly	FT538A				
27/11 (WED)	AM	9:00 - 9:30	SNIEC Meeting Room	Registeration						
				Parallel Session						
				Section 2A: Wearable Device and Human Modeling Venue: SNIEC Meeting Room E2-M17			Section 2B: AI with Textiles Venue: SNIEC Meeting Room E2-M19			
				Session Chair: Qiao Li(Donghua University)			Session Chair: Junjun Fan(Shenzhen University)			
		9:30 - 10:30		9:30-9:50	Fabrication and Characterization of a Coated Conductive Yarn for Stretchable Sensors	FT362A	9:30-9:50	Multi-Class Object Learning with Application to Fabric Defects Detection	FT383A	
				9:50-10:10	Design and Evaluation of Somatosensory Hat: An Emotional Semantic Perspective	FT759A	9:50-10:10	Fabric Defect Classification based on Deep Hashing Learning	FT349A	
				10:10-10:30	Development of Personalized Female Trousers Pattern Based on Three-dimensional Measurement	FT527A	10:10-10:30	Detection and classification of Fabric Defect Based on Machine Learning	FT792A	
		10:30 - 10:50		Tea Break						
				Session Chair: Paul Gough(Shih Chien University)			Session Chair: Xie Huosheng(Fuzhou University)			
		10:50 - 11:50		10:50-11:10	Differences in Calves' Shapes and Circumference Profiles between Chinese Male and Females	FT255A	10:50-11:10	A Fabric Defect Detection Method Based on SSD	FT829A	
				11:10-11:30	Data generating digital garments using low cost sensors	FT894A	11:10-11:30	A Method of Metal Button Defect Detection Based on Extreme Learning Machine and Sparse Representation	FT854A	
							11:30-11:50	Fabric Modeling Based on Riemann Zero Curvature	FT997A	
		11:50 - 13:30		Lunch						

PM			Parallel Session					
			Section 3A: AI Fundamentals Venue: SNIEC Meeting Room **E2-M17**			**Section 3B: AI with Fashion** Venue: SNIEC Meeting Room **E2-M19**		
			Session Chair: Xinbiao Gan (University of Defense Technology)			Session Chair: Chao Li (Donghua University)		
	13:30 - 14:50	**SNIEC Meeting Room**	13:30-13:50	A review on multi-objective metaheuristics for discrete optimization problems	FT796A	13:30-13:50	The Construction and Application of Fashion and Wearing Knowledge Graph	FT542A
			13:50-14:10	A context-based multi-scale discriminant model for natural image inpainting	FT923A	13:50-14:10	The Image Segmentation of Draped Fabric Based on Deep Learning	FT469A
			14:10-14:30	How to Transfer Strided Data into Accelerator	FT959A	14:10-14:30	Keypoints detection in clothing with Cascaded Pyramid Network	FT885A
			14:30-14:50	Jointly Linear Embedding via L2,1-norm for Dimensionality Reduction	FT945A	14:30-14:50	Emotional Perception-based Fabric Image Emotional Semantic Database System	FT766A
	14:50 - 15:10		Tea Break					
			Session Chair: Jianjun Qian(The Hong Kong Polytechnic University)					
	15:10 - 16:30		15:10-15:30	Single image super-resolution with robust matrix regression	FT667A			
			15:30-15:50	Locality Preserving Hashing for Cross-Modal Retrieval	FT446A			
			15:50-16:10	A new Method Based on Deep Convolutional Neural Networks for Object Detection and Classification	FT674A			
			16:10-16:30	Symmetrical Robust Canonical Correlation Analysis for Image Classification	FT864A			
	16:30 - 18:00		Break					
	18:00 - 20:30	**Jumeirah Himalayas Hotel**	**Banquet - Award Ceremony**					