

## Wednesday, August 21, Morning (Onsite & Virtual Room A)

Agenda/Venue	Time	Event/Session	Session Chair
<b>August 21, 2024 (Wednesday)</b>			
	09:00-09:10 (KOREA, GMT+9)	Opening Ceremony (Onsite and Online)	TBIS Team
<b>Advanced Materials and Application</b>			
Plenary Session Onsite & Virtual Room A (Online)	09:10-09:25 (KOREA, GMT+9)	<b>Plenary Medal Lecture 1: Professor Kanji Kajiwara (Shinshu University, Japan) (Onsite)</b> Is Recycling Doing a Good Job for Our Sustainable Future?	Prof. Yi Li (UK)
	09:25-09:40 (KOREA, GMT+9)	<b>Plenary Medal Lecture 2: Professor Xungai Wang (The Hong Kong Polytechnic University, HongKong, China) (Onsite)</b> Textile Sustainability – Past, Present and Future	
	09:40-09:55 (KOREA, GMT+9)	<b>Plenary Medal Lecture 3: Professor Wei Chen (Zhejiang Sci-Tech University, China) (Onsite)</b> Ionogel Electroactive Materials and Wearable Devices	
	09:55-10:10 (KOREA, GMT+9)	<b>Plenary Medal Lecture 4: Professor Guowen Song (Iowa State University, USA) (Onsite)</b> Fighting the Long-Term Health Impact: Cancer and Hazardous Substance Exposure in Firefighters and Understanding	Prof. Kanji Kajiwara (Japan)
	10:10-10:25 (KOREA, GMT+9)	<b>Plenary Medal Lecture 5: Professor Aizheng Chen (Huaqiao University, China) (Onsite)</b> Supercritical Fluid Technology based Decellularized Extracellular Matrix for Biomedical Application	
	10:25-10:40 (KOREA, GMT+9)	<b>Plenary Medal Lecture 6: Professor Apurba Das (Indian Institute of Technology Delhi, India) (Onsite)</b> Electrostatic Spray Coating Technology for Thermoplastic Composites	
	10:40-11:15 (KOREA, GMT+9)	Tea Break	
<b>Textile Functionality and Sustainability</b>			
Plenary Session Onsite & Virtual Room A (Online)	11:15-11:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 7: Professor Li Liu (Beijing Institute of Fashion Technology, China) (Onsite)</b> Key Technologies and Applications in the Research and Development of High-Performance Clothing for Winter Olympic Training Competitions	Prof. Chiyomi Mizutani (Japan)
	11:30-11:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 8: Professor Chiyomi Mizutani (Otsuma Women's University, Japan) (Onsite)</b> Heat Retention of Fabrics composed of Moisture-absorbing Heat-generating Fibers and Wear Comfort	
	11:45-12:00 (KOREA, GMT+9)	<b>Plenary Medal Lecture 9: Professor Xuemei Ding (Donghua University, China) (Onsite)</b> Developing a Green Development Evaluation System for Ethiopian Textile and Garment Industrial Parks	
	12:00-12:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 10: Professor Tamaki Takada Mitsuno (Shinshu University, Japan) (Onsite)</b> Comparison of Subjective and Objective Assessments of Japanese People's Feeling of 'Out of Place' with Their Clothing	Prof. Seung Kook An (Korea)
	12:15-12:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 11: Professor Jiyong Hu (Donghua University, China) (Onsite)</b> Wireless Temperature Sensing Yarn with UHF RFID Helix Dipole Hybrid Antenna for Respiratory Monitoring	
	12:30-12:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 12: Professor Seung Kook An (Pusan National University, Korea) (Onsite)</b> Methodology and Parameters Affecting the Clothing Comfort	
	12:45-14:00 (KOREA, GMT+9)	Lunch Time	

## Wednesday, August 21, Afternoon (Onsite & Virtual Room A)

August 21, 2024 (Wednesday)		
Breakout Room A (Onsite & Online)		
Session A: TBIS Regular Topics - Textile Material, Products and Informatics		
Session Chairs	Dr. Dana Kremenakova (Czech Republic)	Dr. Long Wu (China)
Time Slot	Author Name	Paper Title
14:00-14:15 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Mohanapriya Venkataraman (Technical University of Liberec, Czech Republic)	Enhancing Thermal Management by Using Thermo-Reflective Materials
14:15-14:30 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Annie Yu (The Hong Kong Polytechnic University, Hong Kong, China)	Effect of Structure and Material of Bilayer Knitted Fabric on Tactile Sensation and Warm Retention
14:30-14:45 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Dana Kremenakova (Technical University of Liberec, Czech Republic)	Air Permeability and Breathability Evaluation of Textile Layers
14:45-15:00 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Long Wu (Xi'an Polytechnic University, China)	Research on Knowledge Modeling of Business Suit Pattern Design and Development of Automated Patternmaking Platform
15:00-15:15 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Professor Jifu Mao (Donghua University, China)	Polypyrrole-based Conductive Fibers and Textiles for Biomedical Applications
15:15-15:30 (KOREA, GMT+9)	Tea Break	
15:30-15:40 (KOREA, GMT+9)	<u>Jia-Xin Zhang</u> , Rohana Zur, Habibah Bt Abdul Jabbar	Research on Innovative Design Method of Trench Coat Style Based on Kansei Engineering
15:40-15:50 (KOREA, GMT+9)	<u>Yan Wu</u> , Qing-Yi Wang, Xue Qin, Zhi-Yuan Hu, Li Liu	Dynamic Skin Deformation of Knee Based on Speed Skating
15:50-16:00 (KOREA, GMT+9)	<u>Mei-Ying Kwan</u> , Kit-Lun Yick, Joanne Yip, Nga-Wun Li, Annie Yu, Ka-Wai Lo	Breast Anthropometry Measurements of Chinese Adolescent Girls for Sports Bra Design
16:00-16:10 (KOREA, GMT+9)	<u>Qing-Yi Wang</u> , Xue Qin , Yan Wu , Zhi-Yuan Hu , Li Liu	Study on Skin Strain Patterns of the Torso in Speed Skaters During Straight-Line Posture
16:10-16:20 (KOREA, GMT+9)	<u>Kai Sun</u> , Long Wu, Jing Qi, Jun-Tao Ding, Yue Wang, Jun Zhang	Clothing Style Recommendation System Based on Interactive Genetic Algorithm
16:20-16:30 (KOREA, GMT+9)	<u>Hai-Yang Wang</u> , Long Wu, Jing Qi, Jun-Tao Ding, Yue Wang	Optimization of 3D Printing Bra Cup Structure Design using Lattice Structure
16:30-16:40 (KOREA, GMT+9)	<u>Xiao-Lei Luo</u> , Lin Liu, Ju-Ming Yao	Application of Biomass Flame Retardant Technology in Cellulosic Textiles
16:40-16:50 (KOREA, GMT+9)	<u>Lei-Lei Du</u> , Ren-Hong Li, Wen-Xing Chen	Highly Efficient Subambient All-day Radiative Cooling Textiles with Optically Responsive MgO Embedded in Porous Cellulose Acetate
16:50-17:00 (KOREA, GMT+9)	<u>Wei Zhang</u> , Bao-Zhong Sun	Electrical-driven Deformation Behaviors of Textile Structural Shape Memory Polymer Composites
17:00-17:10 (KOREA, GMT+9)	<u>Mei-Qi Hu</u> , Bao-Zhong Sun, Bo-Hong Gu	Structural Effect and Temperature Effect on Multiple Transverse Impact Damage Distributions of 3-D Braided Composite based on Thermo-mechanical Coupling Approach

## Wednesday, August 21, Afternoon (Onsite & Virtual Room B)

August 21, 2024 (Wednesday)		
Breakout Room B (Onsite & Online)		
Session B: TBIS Regular Topics - E-Textiles, Wearables and Biomedical Textiles		
Session Chairs	Professor Xiuju Song (China)	Professor Zheng Zhao (China)
Time Slot	Author Name	Paper Title
14:00-14:15 (KOREA, GMT+9)	TBIS Medal Lecture: Professor Xiuju Song (Zhejiang University, China)	Cr <sub>2</sub> Te <sub>3</sub> -Encapsulated Liquid Metal for Wearable Sensors
14:15-14:30 (KOREA, GMT+9)	TBIS Medal Lecture: Professor Zheng Zhao (Wuhan University of Technology, China)	Multifunctional Hydrogel Dressings for Accelerating Wound Healing
14:30-14:45 (KOREA, GMT+9)	TBIS Medal Lecture: Dr. Lu Jin (Yiwu Research Institute of Fudan University, China)	Piezoelectric Poly-L-Lactic Acid Film-based Wearable Sensors
14:45-15:00 (KOREA, GMT+9)	TBIS Medal Lecture: Dr. Jun Song (Shanghai University, China)	Mechanism of Electrocatalyzed MXene Nanoenzymes Wetspun Fibrous Dressing for Promoting Diabetic Ulcer Healing
15:00-15:15 (KOREA, GMT+9)	TBIS Medal Lecture: Dr. Zhongda Chen (Nanjing Medical University, China)	The Mechanical Mechanism of Knitted Strain Sensor for Pulse Wave Monitor from Skin Surface
15:15-15:30 (KOREA, GMT+9)	Tea Break	
Session C: TBIS Workshop - Fashion Textile Digitisation for Compliance with ESG and ESPR Legislations (FTD-ESG-ESPR)		
Session Chairs	Dr. Zhangchi Liu (China)	Tim Jun Li (UK)
15:30-15:45 (KOREA, GMT+9)	Professor Xianyi Zeng (ENSAIT, France)	Introduction to FBD_BMODEL Project and FBD Foundation
15:45-16:00 (KOREA, GMT+9)	Professor Yi Li (The University of Manchester, UK)	On Sustainable and Circular Textiles
16:00-16:15 (KOREA, GMT+9)	Tim Jun Li (Digital Clothing Limited, UK)	The FBD platform for ESG and ESPR Legislation Compliance
16:15-16:30 (KOREA, GMT+9)	Chathura Sudharshan (Seamless Source, UK)	The Future of Transparency and Circularity
16:30-16:45 (KOREA, GMT+9)	Zhangchi Liu (Qingdao University, China)	Innovation and Entrepreneurship Based on Digital Twin Textile Supply Chain Platform
16:45-16:55 (KOREA, GMT+9)	Xiao-Nan Xu (The University of Manchester, UK)	Advances in Textile Skin Comfort and Hand Feel Digitization for Sustainability
16:55-17:05 (KOREA, GMT+9)	Xu Wang (The University of Manchester, UK)	Fabric Hand Digitalization and Traceability in Wool Textile Manufacturing Processes
17:05-17:15 (KOREA, GMT+9)	Hao-Ke Liu (The University of Manchester, UK)	Advances in Digitization and Implementation of Textile Circularity

## Thursday, August 22, Morning (Virtual Room A, online only)

Agenda/Venue	Time	Event/Session	Session Chair
August 22, 2024 (Thursday)			
<b>Biomedical and Functional Textiles</b>			
Plenary Session Virtual Room A  (Online Only)	07:00-07:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 13: Professor Bingqing Wei (University of Delaware USA) (Online)</b> Can Photoelectric Conversion Efficiency of Solar Cells Be Doubled?	Prof. Uwe Reischl (USA)
	07:15-07:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 14: Professor Uwe Reischl (Boise State University, USA) (Online)</b> Impact of Cosmetic Hairspray on Fabric Flammability	
	07:30-07:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 15: Professor Xudong Wang (University of Wisconsin-Madison, USA) (Onsite)</b> Synthesis and Large-Scale Assembly of Piezoelectric Biomaterials and Devices	
	07:45-08:00 (KOREA, GMT+9)	<b>Plenary Medal Lecture 16 Professor Zhaoqun Du (Donghua University, China) (Online)</b> Structure Formation, Theoretical Analysis and Application of a Series of Auxetic Textiles	
	08:00-08:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 17: Professor Lijing Wang (RMIT University, Australia) (Online)</b> Automatic Identification of Textile Fibre Under Optical Microscope Using Neural Network Recognition Technology	
	08:15-08:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 18: Professor Gang Li (Soochow University, China) (Online)</b> Calotropis Gigantea Fiber and Its Eco-functional Textiles	
	08:30-08:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 19: Professor Xiumei Mo (Donghua University China) (Online)</b> Electrospun Nanofiber and Nanoyarn for Tissue Engineering	Prof. Xiumei Mo (China)
	08:45-09:00 (KOREA, GMT+9)	<b>Plenary Medal Lecture 20: Professor Maobin Xie (Guangzhou Medical University, China) (Online)</b> Volumetric Bioprinting of Protein-based (Bio)inks for Tissue Engineering	
	09:00-09:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 21: Dr. Fengzhi Li (Nanjing University of Aeronautics and Astronautics, China)(Online)</b> Research on Human Thermal Regulatory Model based on Real Human Geometry and Arterial Vascular Tree	
	09:15-09:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 22: Professor Xiaoqin Wang (Soochow University, China) (Online)</b> Enhancing CO2 Capture and Utilization: A Dual-Function Approach Using Silk Fibroin Hydrogels and Carbon Absorbents	
	09:30-09:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 23 Professor Liangjun Xia (Wuhan Textile University, China) (Online)</b> Color Construction of Textile Fiber Materials	
	09:45-10:00 (KOREA, GMT+9)	<b>Plenary Medal Lecture 24: Dr. Lei Yao (Hong Kong Research Institute of Textiles and Apparel, Hong Kong, China) (Online)</b> Solutions for Microplastics	
	10:00-10:15 (KOREA, GMT+9)	Tea Break	

## Thursday, August 22, Morning (Virtual Room B, online only)

August 22, 2024(Thursday)		
Breakout Room B, online only		
Session B: TBIS Regular Topics -Clothing Biongeneering		
Session Chairs	Dr. KyoungOk Kim (Japan)	Dr. Liya Zhou (China)
Time Slot	Author Name	Paper Title
10:15-10:30 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. KyoungOk Kim (Shinshu University, Japan)	<b>Measuring Methods of Body Shape for Efficiently Manufacturing Individualized Garments</b>
10:30-10:45 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Liya Zhou (Donghua University, China)	<b>Development And Performances Testing of Sitting Cushion with Comfort Zone Partition Based on Setting Poster Analysis</b>
10:45-11:00 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Eric Wang (SGS Global Softlines, China)	<b>Study on the Recycling of Various Textile Materials and Their Impact to the Textile Industry Decarbonization</b>
11:00-11:10 (KOREA, GMT+9)	<u>Xiao-Xuan Cui</u>	Application, Aesthetics, Ethics: Research on the Development of Digital and intelligent in Fashion Design Based on AIGC
11:10-11:20 (KOREA, GMT+9)	<u>Qi Sun</u> , Ying Zhang, Yue Sun, Yi-Jun Chen, Lai-Li Wang	A Comparative Bibliometric Analysis of Research Articles on Garment Production
11:20-11:30 (KOREA, GMT+9)	<u>Si-Qi Yang</u> , Yan-Wen Ruan	The Connotation and Structure of Minimalist Consumption from the Perspective of Dual Integration of Art and Society
11:30-11:40 (KOREA, GMT+9)	<u>Chia-Cheng Chou</u> , Guo-Xiang Yuan	Application of Self-directed Learning in Fashion Design Education: Strategies, Impacts, and Case Studies
11:40-11:50 (KOREA, GMT+9)	<u>Ya-Ting Yang</u> , Yu-Wei Zhang, Zhen-Zhen Guo, Jian Li	Classification of Breast Morphology for Young Women
11:50-12:00 (KOREA, GMT+9)	<u>Rui Sheng</u> , Zhong-Hua Cao, Guo-Xiang Yuan	Typical Models and Characteristics of Footwear Product Design and Development in China
12:00-12:10 (KOREA, GMT+9)	<u>We Zeng</u> , Zhe Liu, Jin Duan	A Review on Medical Protective Fabric in Thermal and Moisture Management by Membrane-based Clothing systems towards Personal Comfort
12:10-14:00 (KOREA, GMT+9)	Lunch	

## Thursday, August 22, Morning (Virtual Room C, online only)

August 22, 2024 (Thursday)		
Breakout Room C, online only		
Session C: Textile Bioengineering Design and Informatics		
Session Chairs	Dr. Jiashen Li (UK)	Dr. Hui Huang (Singapore)
Time Slot	Author Name	Paper Title
10:15-10:30 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Jiashen Li (The University of Manchester, UK)	Preparation and Characterization of Three Dimensional Nanofibrous Scaffold
10:30-10:45 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Zekun Liu( University of Oxford, UK)	Fiber Materials and Devices for Digital Healthcare
10:45-11:00 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Hui Huang (Singapore Institute of Manufacturing Technology, A*STAR,	Printed Flexible Electronics for Advanced MedTech
11:00-11:15 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Yueping Guo (Novel Protective Textiles Limited, Hong Kong, China)	Heat and Moisture Transfer of Multilayer Adult Incontinence Briefs in Computational Simulations and Objective Measurements
11:15-11:25 (KOREA, GMT+9)	<u>Ying-Lei Lin</u> , Ting-Ting Zhang, Jia-Guang Meng Xing-Yu Liu, Zhong-Chang Jiang, Ran Ma, Jing He	Structural Design and Energy Efficiency Evaluation of the Hip Assistive Unpowered Soft Exosuit
11:25-11:35 (KOREA, GMT+9)	Xiao-Xin Yang, <u>Yue Yin</u> , Jing Guo	Evaluation of Pressure Comfort of Supportive Waist Protections with Different Supporting Bars
11:35-11:45 (KOREA, GMT+9)	<u>Yan-Ting Li</u> , Li-Min Shi	Optimization Design and Evaluation of Shirt Structure for Female Wheelchair Users
11:45-11:55 (KOREA, GMT+9)	<u>Qin-Yi Zhou</u> , Yan-Zhen Wang	Impact of Tight-fit Shorts on Core Training: Exploring Equilibrium Points and Electromyograph Expression
11:55-12:05 (KOREA, GMT+9)	<u>Jin-Zhou Yang</u> , Yan-Zhen Wang	Research on the Mechanisms of Knee Pain Associated with Yoga Kneeling Postures
12:05-12:15 (KOREA, GMT+9)	<u>Shi-Yao Chu</u> , Li-Min Shi, Ying Yang	Research and Development of Easy-to-wear Warm Boots based on New Thermal Wadding
12:15-12:25 (KOREA, GMT+9)	<u>Si-Ling Lin</u> , Wei Fan, Jin-Zhao Zhang, Chun-Ming Zhao, Long Li	Electrical Heating Properties of Ag/PANI/PAN Conductive Fabrics
12:25-14:00 (KOREA, GMT+9)	Lunch	

## Thursday, August 22, Morning (Virtual Room D, online only)

August 22, 2024 (Thursday)		
Breakout Room D, online only		
Session D: Textile Engineering Technologies		
Session Chair	Professor Ronghui Guo (China)	Professor Yanhua Cheng (China)
Time Slot	Author Name	Paper Title
10:15-10:30 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Chunhong Zhu (Shinshu University, Japan)	<b>High Performance Wearable TENG Utilizing Nanofiber Membrane for Energy-harvesting</b>
10:30-10:45 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Professor Yanhua Cheng (Donghua University, China)	<b>Visualization of Polymer Fiber Microstructures by AIEgens</b>
10:45-11:00 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Professor Ronghui Guo (Sichuan University, China)	<b>In-situ Crosslinking Reinforced Cellulose Aerogel Fibers for Thermal Insulation and Multifunctional Applications</b>
11:00-11:15 (KOREA, GMT+9)	<b>TBIS Medal Lecture:</b> Dr. Danmei Sun (Heriot-Watt University, UK)	<b>Enhancing Thermal Management in Protective Textiles Using Hydrated Salt as Phase Change Materials</b>
11:15-11:25 (KOREA, GMT+9)	<u>Jing-Jing Li</u> , Li-Min Shi, Hui Zhang	A Review on Smart Wearable Devices for Visually Impaired People
11:25-11:35 (KOREA, GMT+9)	Ying-Chen Zhang, Hong-Yan Wu, Xia-Nan Zhang, Yi-Shuo Chen, Da-Xun Yin, Jian-Cheng Lou, Guan-Yu Zhao, Man Li, Bao-Hua Li, Zhuang-Zhuang Li, Run-Ahe Li	A Study on antioxidant activity and molecular mechanism of natural dye fucoxanthin
11:35-11:45 (KOREA, GMT+9)	<u>Ying Wang</u> , Yuting Sun, Huamei Lang, Yanjie Xiao, Lina Sun, Lei Zhang, Junzheng Liu, Jian Li, Yang Zhang	Design and Implementation of Women's Belly Bag Based on Style3D Technology
11:45-11:55 (KOREA, GMT+9)	<u>Xiao-Xin Yang</u> , Shu-Qi Liu, Jing Guo	A Correlation Study on the Thermal Insulation Performance of Down Wadding in Different Placement Conditions
11:55-12:05 (KOREA, GMT+9)	<u>Ruo-Dan Pang</u> , Ming-Hai Cui, Yan-Xia Xu	A Body Shape Study based on 3D Body Data for Top Size Analysis of Women Aged 18-25 Years
12:05-12:15 (KOREA, GMT+9)	<u>Xing-Yu Chen</u> , Ming-Hai Cui	The Spatial Relationship Inside Coats Based on CLO3D Virtual Fabrics
12:15-12:25 (KOREA, GMT+9)	<u>Xiao-Yu Zhang</u> , Jing-Ge Liu, Hao-Chen Yan, Zi-Han Yu, Gang Li	Flexible Sweat Sensors based on MOFs: Preparation and Application
12:25-14:00 (KOREA, GMT+9)	Lunch	

## Thursday, August 22, Afternoon (Virtual Room A, online only)

Agenda/Venue	Time	Event/Session	Session Chair
<b>August 22, 2024 (Thursday)</b>			
<b>Wearables, Digital and Sustainable Technologies</b>			
Plenary Session Virtual Room A (Online Only)	14:00-14:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 25: Professor Terry Ye (Southern University of Science and Technology, China) (Online)</b> Quantifying the Parasitic Capacitance of Conductive Yarns Used in High-Frequency Applications	<b>Prof. Xianyi Zeng (France)</b>
	14:15-14:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 26: Professor Wei Fan (Xi'an Polytechnic University, China) (Online)</b> Construction and Application of Breathing All-fiber Nanogenerator	
	14:30-14:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 27: Dr. Aris Rui Huang (Chengdu SwiftChain Technology Co., Ltd., China) (Online)</b> Implementation of Clothing from Conception to Design Based on the AGI's Diffusion Transformer Framework	
	14:45-15:00 (KOREA, GMT+9)	<b>Plenary Medal Lecture 28: Professor Jiri Militky (Technical University of Liberec, Czech Republic) (Online)</b> Upcycling of Basic Fibrous Waste Types	
	15:00-15:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 29: Professor Xianyi Zeng (ENSAIT, France) (Online)</b> DigitalFashion: A Technology Platform for Digital Fashion Training Through Digitalization of Fabrics, Garments and Human Bodies and Fashion Design Elements	
	15:15-15:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 30: Professor Rajesh Mishra (Czech University of Life Sciences Prague, Czech Republic) (Online)</b> Computational and Analytical Studies on Sandwich Composites Reinforced with Hybrid Fibrous Materials and Bio-fillers	<b>Prof. Rajesh Mishra (USA)</b>
	15:30-15:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 31: Dr. Jianquan Cheng (Manchester Metropolitan University, UK) (Online)</b> Estimating Exercisality on Urban Greenways Using Physical Exercise Trajectory Data and Network-constrained Approach	
	15:45-16:00 (KOREA, GMT+9)	<b>Plenary Medal Lecture 32: Dr. Prabhuraj Venkatrman (Manchester Metropolitan University Manchester, UK) (Online)</b> State of the Fashion Industry: Challenges, Opportunities and Barriers to Implement Circular Economy Principles	
	16:00-16:15 (KOREA, GMT+9)	<b>Plenary Medal Lecture 33: Dr. Kai-chiu Ho (Hansk New Materials Holdings Limited, Hong Kong, China) (Online)</b> Innovative Mosquito Repellent Technology for Textiles and Clothing	
	16:15-16:30 (KOREA, GMT+9)	<b>Plenary Medal Lecture 34: Professor Li Li (The Hong Kong University of Science and Technology, Hong Kong, China) (Online)</b> Unleashing the Creative Potential: Textiles as Catalysts for Interdisciplinary Innovation and Commercialization Success	
16:30-16:45 (KOREA, GMT+9)	<b>Plenary Medal Lecture 35: Professor Keqin Zhang (Soochow university, China) (Online)</b> Large-scale Manufacturing Optical Micro/Nano Functional Fibers for Thermal Energy Management and Collection		

## Thursday, August 23 (onsite only)

Agenda/Venue	Time	Event/Session	Session Chair	
August 23, 2024 (Friday)				
<b>Wearables, Digital and Sustainable Technologies</b>				
Onsite	09:00-16:00 (KOREA, GMT+9)	International-Academic-Industrial Collaboration forum on “International Supply Chain Digitization and Sustainability”	Prof. Seung Kook An (Korea)	Mai Li (UK)

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