



## TBIS 2020 Timetable (July 7 - 10)

TBIS Special Focused Theme:  
 Combatting COVID-19 Pandemic with  
 Science and Technology Innovations

Agenda/Venue	Time	Event/Session	Session Chair
<b>July 7, 2020 (Tuesday)</b>			
Registration Virtual room A	08:00-11:00 (UK, GMT+1) 15:00-18:00 (PRC, Beijing)	Enrolment and System Testing	TBIS Team
<b>July 8, 2020 (Wednesday)</b>			
Virtual room A	07:30-08:00 (UK, GMT+1) 14:30-15:00 (PRC, Beijing)	Enrolment-Zoom link available	TBIS Team
Open Ceremony	08:00-08:30 (UK, GMT+1) 15:00 15:30 (PRC, Beijing)	Opening Ceremony	TBIS Chief Secretary
<b>COVID-19 Diagnosis: Infection Testing and Illness Diagnosis</b>			
Plenary Session Virtual Room A	08:30-09:00 (UK, GMT+1) 15:30-16:00 (PRC, Beijing)	<b>Plenary Medal Lecture 1: Academician Professor Meifang Zhu (China)</b> Science and Technology Innovation and Sustainable Pandemic Management and Control	Prof. Henry Yi Li (UK)
	09:00-09:30 (UK, GMT+1) 16:00-16:30 (PRC, Beijing)	<b>Plenary Medal Lecture 2: Professor Henry Yi Li (UK)</b> Combatting COVID-19 Pandemic with Science and Technology Innovations	
	09:30-10:00 (UK, GMT+1) 16:30-17:00 (PRC, Beijing)	<b>Plenary Medal Lecture 3: Dr. Liya Ju (France)</b> Testing for COVID-19 in Patient Identification, Infection Containing, Clinical Surveillance, Pandemic Prediction and Further Prevention	
	10:00-10:30 (UK, GMT+1) 17:00-17:30 (PRC, Beijing)	<b>Plenary Medal Lecture 4: Dr. Na Shen (China)</b> Laboratory Testing of SARS-Cov-2 and its Clinical Significance	
	10:30-11:00 (UK, GMT+1) 17:30-18:00 (PRC, Beijing)	<b>Plenary Medal Lecture 5: Professor Xianyi Zeng (France)</b> COVID-19 Digital Technologies for Remote Diagnosis, Contact Tracing and Pandemic Control	
<b>COVID-19 Protection: Personal Protection and Infection Control</b>			
Plenary Session Virtual Room A	11:00-11:30 (UK, GMT+1) 18:00-18:30 (PRC, Beijing)	<b>Plenary Medal Lecture 6: Professor Jiri Militky (Czech Republic)</b> Protection Against COVID-19 - State-of-the-Art	Academician Prof. Meifang Zhu (China)
	11:30-12:00 (UK, GMT+1) 18:30-19:00 (PRC, Beijing)	<b>Plenary Medal Lecture 7: Dr. Simon Annaheim (Switzerland)</b> Protective Properties and Comfort of Community-Masks	
	12:00-12:30 (UK, GMT+1) 19:00-19:30 (PRC, Beijing)	<b>Plenary Medal Lecture 8: Professor Weilin Xu (China)</b> The Science of Antibacterial-antiviral Materials for Personal Protection and Infection Control	
	12:30-13:00 (UK, GMT+1) 19:30-20:00 (PRC, Beijing)	<b>Plenary Medal Lecture 9: Dr. Mary Bao (China)</b> Testing Methods and Testing Standards for PPEs	
	13:00-13:30 (UK, GMT+1) 20:00-20:30 (PRC, Beijing)	<b>Plenary Medal Lecture 10: Professor Aharon Gedanken (Israel)</b> Towards a Safe Hospital in Which all its Textiles will be Antibacterial and Antiviral	
<b>July 9, 2020 (Thursday)</b>			
<b>COVID-19 Control: Outbreak Surveillance and Pandemic Control</b>			
Plenary Session Virtual Room A	07:30-08:00 (UK, GMT+1) 14:30-15:00 (PRC, Beijing)	<b>Plenary Medal Lecture 11: Professor Tongyu Zhu (China)</b> How to Build Shanghai Fortress in the late pandemic Era	Prof. Xianyi Zeng (France)
	08:00-08:30 (UK, GMT+1) 15:00-15:30 (PRC, Beijing)	<b>Plenary Medal Lecture 12: Dr. Béchir Ben Hadj Yahia (France)</b> Mathematical Modelling of Infectious Disease: Myth or Reality?	
	08:30-09:00 (UK, GMT+1) 15:30-16:00 (PRC, Beijing)	<b>Plenary Medal Lecture 13: Professor Zongmin Wu (China)</b> Covid 19, Mathematical Modeling and Some Elemental Discussion	
	09:00-09:30 (UK, GMT+1) 16:00-16:30 (PRC, Beijing)	<b>Plenary Medal Lecture 14: Aris Huang (China)</b> Using Blockchain Technology to Improve Communicable Disease Early Surveillance System	
	09:30-10:00 (UK, GMT+1) 16:30-17:00 (PRC, Beijing)	<b>Plenary Medal Lecture 15: Professor Shane Xie (UK)</b> Reconfigurable Exoskeleton for Effective Rehabilitation Treatment in Residential Settings	
	10:00-10:30 (UK, GMT+1) 17:00-17:30 (PRC, Beijing)	<b>Plenary Medal Lecture 16: Dr. Raymond Bond (UK)</b> The Opportunity for More Human-computer Conversations (Using Chatbots) During Social Distancing in a Pandemic	



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July 9, 2020 (Thursday)			
<b>COVID-19 Sustainability: Sustainable Pandemic Control</b>			
Plenary Session Virtual Room A	10:30-11:00 (UK, GMT+1) 17:30-18:00 (PRC, Beijing)	<b>Plenary Medal Lecture 17: Professor Min Chen (China)</b> Emotion-aware Wearable Computing in the Battle Against the Impact of COVID-19 on Mental Health	Prof. Jiri Militky (Czech)
	11:00-11:30 (UK, GMT+1) 18:00-18:30 (PRC, Beijing)	<b>Plenary Medal Lecture 18: James Shi Jian (China)</b> Product Safety and Sustainable Production of PPE	
	11:30-12:00 (UK, GMT+1) 18:30-19:00 (PRC, Beijing)	<b>Plenary Medal Lecture 19: Dr. Jianquan Cheng (UK)</b> Lockdown Urbanism and Health-related Quality of Life of COVID-19 Survivors	
	12:00-12:30 (UK, GMT+1) 19:00-19:30 (PRC, Beijing)	<b>Plenary Medal Lecture 20: Professor Uwe Reischl (USA)</b> COVID-19 Personal Protective Equipment Sterilization System	
	12:30-13:00 (UK, GMT+1) 19:30-20:00 (PRC, Beijing)	<b>Plenary Medal Lecture 21: Professor A. Blanton Godfrey (USA), Dr. Shaghaeygh Rezaei Arangdad (USA)</b> COVID-19 and U.S. Supply Chain Issues	
July 10, 2020 (Friday)			
<b>Regular Topics</b>			
Session 1 Virtual Room A	08:00-08:30 (UK, GMT+1) 15:00-15:30 (PRC, Beijing)	<b>Medal lecture 1: Assoc. Professor Dana Křemenáková (Czech)</b> Face Masks and Textiles – Reasons for Concern	Dr. Mohanapriya Venkataraman (Czech Republic)
	08:30-12:15 (UK, GMT+1) 15:30-19:15 (PRC, Beijing)	Part 2: Oral presentation from authors	Assoc. Prof. Dana Křemenáková (Czech)
Session 2 Virtual Room B	08:00-08:30 (UK, GMT+1) 15:00-15:30 (PRC, Beijing)	<b>Medal Lecture 2: Professor Xiaoqin Wang (China)</b> Living Silk-Based Hydrogels with Microalgae for Environmental Applications	Prof. Budimir Mijovic (Croatia)
	08:30-09:00 (UK, GMT+1) 15:30-16:00 (PRC, Beijing)	<b>Medal Lecture 3: Dr. KyoungOk Kim (Japan)</b> Relationship Between Hand of Dress Shirt Fabrics and Price Evaluation by Experts	
	11:15-11:45 (UK, GMT+1) 18:15-18:45 (PRC, Beijing)	<b>Medal Lecture 4: Professor Budimir Mijovic (Croatia)</b> Medal Lecture: Melt Electrospun Fibrous Architectures of Different Geometries	Prof. Xiaoqin Wang (China)
	09:00-13:00 (UK, GMT+1) 16:00-20:00 (PRC, Beijing)	Part 2: Oral presentation from authors	
<b>Covid-19 International Research and Innovation Collaboration Forum (Closed, by invitations only)</b>			
Session 3 Roundtable discussion Virtual Room C	08:30-12:30 (UK, GMT+1) 15:30-19:30 (PRC, Beijing)	<b>Agenda:</b> 1. Introduction 2. Needs of multidisciplinary collaborations 3. Needs of cross industries collaborations 4. Needs of international collaborations 5. Existing international collaboration platforms 6. Needs to establish technical solutions oriented specialized international cross-disciplinary collaboration platform (CP) 7. Title, vision and mission of the international collaboration platform 8. Management and operational mechanisms of the CP 9. Funding and financial sources of the CP 10. Agreement and/or MoU of the CP	Academician Prof. Meifang Zhu (China)  Prof. Yi Li (UK)



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Agenda/Venue	Time	Event/Session	Session Chair
July 10, 2020 (Friday)			
<b>Session A -TBIS 2020 Focused Theme on COVID-19 Pandemic</b>			
Session A Virtual Room A	08:00-08:30 (UK, GMT+1) 15:00-15:30 (PRC, Beijing)	Medal Lecture: Face Masks and Textiles – Reasons for Concern <b>Assoc. Prof. Dana Křemenáková (Czech)</b>	Dr. Mohanapriya Venkataraman (Czech Republic)
	08:30-08:45 (UK, GMT+1) 15:30-15:45 (PRC, Beijing)	Contaminations and Protective Performances of Personal Protective Clothing in Atomized Droplets Contamination Simulation <b>Dr. Yueping Guo (Hong Kong ,China)</b>	
	08:45-09:00 (UK, GMT+1) 15:45-16:00 (PRC, Beijing)	A Novel Model of Heat and Moisture Transfer in Human-chemical Protective Clothing-environment <b>Zhan-Keng Zhang, Feng-Zhi Li, Xiao-Qun Dai, Hong-Qin Dai (China)</b>	
	09:00-9:15 (UK, GMT+1) 16:00-16:15 (PRC, Beijing)	Advanced Smart Material Based Nanosensors for Viral Detections <b>Muhammad Umar, Hafiza Hifza, Iqra Nawaz, Yi Li (UK)</b>	
	09:15-09:30 (UK, GMT+1) 16:15-16:30 (PRC, Beijing)	Cloud-based Pandemic Surveillance and Monitoring System with E-textile Wearables <b>Max Cao, Yi Li (UK)</b>	
	09:30-09:45 (UK, GMT+1) 16:30-16:45 (PRC, Beijing)	Research on Standard Analysis and Test Performance of Protective Masks <b>Hai-Tao Wang (China)</b>	
	<b>Presentation from Technical University of Liberec Group, Czech Republic</b>		
	09:45-10:00 (UK, GMT+1) 16:45-17:00 (PRC, Beijing)	Disinfection Mechanisms of UV Light and Ozonization <b>Yuanfeng Wang (Czech)</b>	
	10:00-10:15 (UK, GMT+1) 17:00-17:15 (PRC, Beijing)	Characterization, Indication and Passivation of SARS-CoV-2 <b>Sajid Faheem (Czech)</b>	
	10:15-10:30 (UK, GMT+1) 17:15-17:30 (PRC, Beijing)	Enhanced Disinfection of Titanium Dioxide <b>Muhammad Zaman Khan (Czech)</b>	
	10:30-10:45 (UK, GMT+1) 17:30-17:45 (PRC, Beijing)	Copper based Viral Inhibition <b>Azam Ali (Czech)</b>	Assoc. prof. Dana Křemenáková (Czech Republic)
	10:45-11:00 (UK, GMT+1) 17:45-18:00 (PRC, Beijing)	<b>Kinetic Model for Disinfection by using Photo Oxidation</b> <b>Qingyan Peng(Czech)</b>	
	11:00-11:15 (UK, GMT+1) 18:00-18:15 (PRC, Beijing)	Eradicating Spread of Virus by Using Activated Carbon <b>Daniel Karthik (Czech)</b>	
	11:15-11:30 (UK, GMT+1) 18:15-18:30 (PRC, Beijing)	Copper Coated Textiles for Inhibition of Virus Spread <b>Shi Hu (Czech)</b>	
	11:30-11:45 (UK, GMT+1) 18:30-18:45 (PRC, Beijing)	Antiviral Finishes for Protection Against SARS-CoV-2 <b>Divan Coetzee (Czech)</b>	
	11:45-12:00 (UK, GMT+1) 18:45-19:00 (PRC, Beijing)	Influence of UV Light and Ozonization on Microbes State <b>Xiaodong Tan, Michal Martinka (Czech)</b>	
	12:00-12:15 (UK, GMT+1) 19:00-19:15 (PRC, Beijing)	Eradicating Spread of Virus by Photo-catalysis Process <b>Aamir Mahmood (Czech)</b>	
	12:15-12:30 (UK, GMT+1) 19:15-19:30 (PRC, Beijing)	Virology of SARS-CoV-2 <b>Dan Wang (Czech)</b>	
	12:30-12:45 (UK, GMT+1) 19:30-19:45 (PRC, Beijing)	<b>Discussion</b>	





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July 10, 2020 (Friday)			
<b>Session B -TBIS Regular Topics</b>			
Session B Virtual Room B	08:00-08:30 (UK, GMT+1) 15:00-15:30 (PRC, Beijing)	Medal Lecture: Living Silk-Based Hydrogels with Microalgae for Environmental Applications <b>Prof. Xiaoqin Wang (China)</b>	Prof. Budimir Mijovic (Croatia)
	08:30-09:00 (UK, GMT+1) 15:30-16:00 (PRC, Beijing)	Medal Lecture: Relationship Between Hand of Dress Shirt Fabrics and Price Evaluation by Experts <b>Dr. KyoungOk Kim (Japan)</b>	
	09:00-09:15 (UK, GMT+1) 16:00-16:15 (PRC, Beijing)	Estimation of Yarn Coefficient of Mass Variation Utilizing Artificial Intelligence Techniques <b>Adel El-Geiheini, Sherien ElKateb, Manal R. Abdel-hamied</b>	
	09:15-09:30 (UK, GMT+1) 16:15-16:30 (PRC, Beijing)	Factors Influencing Moisture Absorption Characteristics of Cotton Terry Fabrics <b>Nashwa Agamia, Wael Hashima, Sherwet ELGholmy, Adel Elgeiheini</b>	
	09:30-09:45 (UK, GMT+1) 16:30-16:45 (PRC, Beijing)	Effect of Different Parameters of Fabric Embroidered Circuit on Electrical Conductivity <b>Noha Bondok, Wael Hashima, Sherwet ELGholmy, Adel ELgeiheini</b>	
	10:45-11:00 (UK, GMT+1) 17:45-18:00 (PRC, Beijing)	Effect of Ease on Thermal Insulation of Men's Pajamas With A Knitted Fabric Made of New Cotton Non-twisted Hollow Yarn <b>Toko Manabe, KyoungOk Kim, Masayuki Takatera, Kyosuke Kanda, Masatoshi Kawakami, Nagisa Hirata</b>	
	11:00-11:15 (UK, GMT+1) 18:00-18:15 (PRC, Beijing)	An Anthropometric Research on Universal Fashion Design for Wheelchair Users' Tops <b>Jing Guo, Qi Wang, Li-Min Shi, Jin-Hui Ren</b>	
	11:15-11:45 (UK, GMT+1) 18:15-18:45 (PRC, Beijing)	Medal Lecture: Melt Electrospun Fibrous Architectures of Different Geometries <b>Prof. Budimir Mijovic (Croatia)</b>	Prof. Xiaoqin Wang (China)
	11:45-12:00 (UK, GMT+1) 18:45-19:00 (PRC, Beijing)	An Exploratory Study of Perceived Cost of New Technology in the Context of Chinese Textile and Apparel Firm Managers <b>Bao-lu Wang, Jung Ha-Brookshire</b>	
	12:00-12:15 (UK, GMT+1) 19:00-19:15 (PRC, Beijing)	Study on the Elements of "Xi Lan Ka Pu" Pattern ---Taking the Color Application Characteristics as an Example I <b>Zhao Li, Sone Simatrang, Veerawat Sirivesmas, Jirawat Vongphantuset</b>	
	12:15-12:30 (UK, GMT+1) 19:15-19:30 (PRC, Beijing)	Barrier-free Design of Shoes for Lower Limb Disabled <b>Piao-Piao Liu, Hai-Qiao Huang</b>	
	12:30-12:45 (UK, GMT+1) 19:30-19:45 (PRC, Beijing)	Knitwear Design by Using Optical Illusion Pattern <b>Shi-Yu Liu, Guo-Xiang Yuan</b>	
	12:45-13:00 (UK, GMT+1) 19:45-20:00 (PRC, Beijing)	The Role of Sustainable Design, Manufacturing and Materials in Fashion Industry <b>Yan-Shan Xie, Mei-Qun Na, Jun-Yi Xu1, Guo-Xiang Yuan</b>	
	13:00-13:15 (UK, GMT+1) 20:00-20:15 (PRC, Beijing)	Feasibility Study to Apply Bacterial Cellulose Produced by Kombucha Fermentation for Electrospun Microfiltration Membrane <b>Florentina Sederaviciute, Jurgita Domskiene, Dusan Kimmer, Lenka Lovecka</b>	