



Time:
07:00-12:00 (UK, GMT+1)
14:00-19:00 (PRC, Beijing)

TBIS 2022(Webinar) Plenary Session

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Tuesday, September 6



Academician Professor Meifang Zhu
China

Plenary Medal Speakers 1:
Advanced Functional Fiber Materials: Research Progress and Future Development



Professor Jiri Militky
Czech Republic

Plenary Medal Speakers 2:
Strategies for Flame Retardant Textiles



Academician Professor Yaochu Jin
Germany

Plenary Medal Speakers 3:
Data-Driven Evolutionary Optimization



Professor Tamaki Mitsuno
Japan

Plenary Medal Speakers 4:
Clothing Pressure and Pressure Sensation While Wearing Pantyhose Muscle Activity Changes in the Legs



Professor Yongqing Fu
UK

Plenary Medal Speakers 5:
Flexible and Wearable Acoustofluidic Biosensing Platform Based on Thin Film Piezoelectrics with Human-Machine Interactions



Professor Terry Ye
China

Plenary Medal Speakers 6:
Embroidered Electronics for IOT and Wearable Sensors



Professor Youfan Hu
China

Plenary Medal Speakers 7:
Epidermal Systems for Physiological Information Monitoring



Professor Xudong Wang
USA

Plenary Medal Speakers 8:
Wearable and Implantable Piezoelectric Materials for Biomechanical Energy Harvesting and Utilization



Professor A. Blanton Godfrey
USA

Plenary Medal Speakers 9:
Improving the Maternal and Child Health Graphical for Low-And-Middle Income Countries Profiles

Co-organized by :



TECHNICAL UNIVERSITY OF LIBEREC
Faculty of Textile Engineering





Time:
07:00-12:00 (UK, GMT+1)
14:00-19:00 (PRC, Beijing)

TBIS 2022(Webinar) Plenary Session

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Wednesday, September 7



Professor Xianyi Zeng
France

Plenary Medal Speakers 10:
Creation of a Metaverse Ecosystem for Supporting Textile/Fashion Design by Combining Digital Simulations and AI-Based Human-Product Interactions



Dr. Yi Meng
China

Plenary Medal Speakers 11:
Sustainable Fashion and Digitization



Dr. Malgorzata Zimniewska
Poland

Plenary Medal Speakers 12:
Strengthen of Linen/Hemp Clothing Bioactivity by Application of Medicinal Plants Extracts



Dr. Aris Rui Huang
China

Plenary Medal Speakers 13:
Research on WSR Collaboration Model of Distributed Supply Chain Based on Blockchain



Professor Rajesh Mishra
Czech Republic

Plenary Medal Speakers 14:
Numerical Modelling and Experimental Analysis of Light Weight Composite Structures with Fibrous Reinforcement



Professor Li Li
Hong Kong, China

Plenary Medal Speakers 15:
The Role of Aesthetics in Scientific Research Today



Professor Apurba Das
India

Plenary Medal Speakers 16:
Electrostatic Spray Coating Technology for Thermoplastic Composites



Professor Uwe Reischl
USA

Plenary Medal Speakers 17:
Fabric Performance during (IR) Heat Radiation Exposure

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TBIS 2022(Webinar) Plenary Session

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Thursday, September 8



Professor Xiumei Mo
China

Plenary Medal Speakers 18:
Electrospun Organic and Inorganic Nanofiber for Tissue Engineering



Academician Professor Shane Xie
UK

Plenary Medal Speakers 19:
Reconfigurable Exoskeleton with Enhanced Autonomy and Intelligence for Effective home-based Rehabilitation



Professor Budimir Mijovic
Croatia

Plenary Medal Speakers 20:
Transplantation of Limbal Corneal Stem Cells Grown in Vitro



Professor Seung Kook An
Korea

Plenary Medal Speakers 21:
The Mechanical Properties of Carbon/Aramid Composites with Three Different Molding Methods



Professor Jianquan Chen
UK

Plenary Medal Speakers 22:
Sport Infrastructure Development and Its Challenges for Healthy City in China



Professor Perry Xiao
UK

Plenary Medal Speakers 23:
Skin Bioengineering Measurement Technologies



Professor Hongnian Yu
UK

Plenary Medal Speakers 24:
Assistive Technologies in Healthcare



Professor Huiru Zheng
UK

Plenary Medal Speakers 25:
Wearable Technology to Support the Self-management of Chronic Conditions



Professor Bingqing Wei
USA

Plenary Medal Speakers 26:
Light-induced Giant Magnetoresistance and Hall Resistance in Intrinsic Silicon

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Time:
12:30-16:40 (UK, GMT+1)
19:30-23:40 (BEIJING TIME)

TBIS 2022(Webinar) Medal Session

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Room A: Tuesday, September 6



Professor Chiyomi Mizutani
Japan

Medal Speakers 1:

Quantitative Evaluation of the Odor-protection Efficiency of a Face Mask by Physiological Measurement



Dr. Prabhuraj Venkatrman
UK

Medal Speakers 2:

Biofunctional Textiles for Hygiene and Medical Applications Using Eco-friendly Methods



Dr. Long Wu
China

Medal Speakers 3:

Shielding Effectiveness Analysis of Electromagnetic Shielding Clothing for Pregnant Women based on Finite Element Method

Room B: Tuesday, September 6



Dr. Tommaso Busolo
UK

Medal Speakers 4:

Triboelectric Yarns with Electrospun Functional Polymer Coatings for Wearable Energy Harvesting and Sensing Applications



Dr. Chunhong Zhu
Japan

Medal Speakers 5:

Wearable Triboelectric Nanogenerator for Human Motion Sensing and Energy Harvesting



Dr. Xuqing Liu
UK

Medal Speakers 6:

Fibre Surfaces Catalytic Engineering for Textile Functionalization and Wearable Electronics

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Time:
12:30-16:10 (UK, GMT+1)
19:30-23:10 (BEIJING TIME)

TBIS 2022(Webinar) Medal Session

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Room A: Wednesday, September 7



Dr. Dana Kremenakova
Czech Republic

Medal Speakers 7:
Friction Dynamic and Heating of Textiles at High Speeds



Dr. Annie Yu
Japan

Medal Speakers 8:
Vibration Isolation and Softness of Knitted Spacer Fabric with Silicone Inlay



Dr. Mohanapriya Venkataraman
Czech Republic

Medal Speakers 9:
Application of Porous Activated Carbon Structures for Deactivation of SARS-Cov-2

Room A: Thursday, September 8



Dr. KyoungOk Kim
Japan

Medal Speakers 10:
How We Can Make Attractive Clothing Using Various Patternmaking Methods and Dress Forms



Dr. Tetiana Yelina
Ukraine

Medal Speakers 11:
Assessment of Knitwear Comfort via 3D Modeling and Simulation

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Faculty of Textile Engineering





Time:
12:30-14:20 (UK, GMT+1)
19:30-21:20 (PRC, Beijing)

TBIS 2022(Webinar) Workshop

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Room B: Wednesday, September 7

Professor Jiri Militky (Czech Republic)

Topic of the Speech 1: HYHI Project Part I Flexible Hierarchical Structures

Professor Karel Frana (Czech Republic)

Topic of the Speech 2: HYHI Project Part II Composite Materials and Structures

Professor Miroslav Cernik (Czech Republic)

Topic of the Speech 3: HYHI Project Part III Functionalized Nanomaterials

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European Structural and Investment Funds
Operational Programme Research,
Development and Education



Room C: Wednesday, September 7



Professor Xianyi Zeng
France

Topic of the Speech 1:
Workshop Introduction



Academician Professor Yaochu Jin

Topic of the Speech 2:
Data-Driven Evolutionary Optimization for Sustainability



Professor Henry Yi Li
UK

Topic of the Speech 3:
Horizon2023-2024 Grant Call on Sustainability & Circularity



Dr. Yang Lu
UK

Topic of the Speech 4:
Designing An Intuitive Sustainability Platform for Industry: Challenges and Opportunities



Haian Ma
UK

Topic of the Speech 5:
Sustainability and circularity practices and development trends in Cashmere Industry



Zhangchi Liu
UK

Topic of the Speech 6:
FBD Platform for Digital Fashion Business Models



Kuo Cao
UK

Topic of the Speech 7:
Developing Digital Fashion Business Model Through FBD ICT Technology Platform



Tim Jun Li
HongKong, China

Topic of the Speech 8:
Linking consumer's needs with product performance on e-shopping platforms with Fashion Big Data (FBD) API plugins

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TBIS 2022(Webinar) Workshop-IMDH

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Time:
12:30-15:20 (UK, GMT+1)
19:30-22:20 (BEIJING TIME)

Room B: Thursday, September 8



Professor Henry Yi Li
UK
Topic of the Speech 1:
Introduction to Intelligent Materials and Digital Health (IMDH)



Professor Honghai Liu
UK
Topic of the Speech 2:
Multi-modal Sensing and Understanding for Human Machine Systems



Professor Hongnian Yu
UK
Topic of the Speech 3:
Assistive Technologies in Healthcare



Professor Huiru Zheng
UK
Topic of the Speech 4:
Wearable Technology to Support the Self-management of Chronic Conditions



Professor Perry Xiao
UK
Topic of the Speech 5:
Skin Bioengineering Measurement Technologies



Professor Yongqing Fu
UK
Topic of the Speech 6:
Flexible and Wearable Acoustofluidic Biosensing Platform Based on Thin Film Piezoelectrics with Human-Machine Inter-actions



Professor Terry Ye
China
Topic of the Speech 7:
Embroidered Electronics for IOT and Wearable Sensors



Dr. Maggie Zeng
UK
Topic of the Speech 8:
Reimagining the Future of Digital Healthcare: Looking Beyond a Single Technology to Make a Bigger Impact



Dr. Po Yang
UK
Topic of the Speech 9:
Advance Wearable Intelligence for Self-assessment of Parkinson's Disease in Free-living



Dr. Jichun Li
UK
Topic of the Speech 10:
A Fully Automated Robot for the Preparation of Fungal Samples for FTIR Spectroscopy Using Deep Learning



Dr. Hui Huang
Singapore
Topic of the Speech 11:
Flexible Electrodes and Printed Electronics for Wearable Sensors and Smart E-textiles



Dr. Hua Zhong
UK
Topic of the Speech 12:
Personal Comfort System Review in Built Environment



Dr. Zekun Liu
UK
Topic of the Speech 13:
Functionalized Fiber Sensors with High Sensing Reliability Towards Body Area Digital Sensing Networks



Dr. Lulu Xu
UK
Topic of Speech 14:
Electronic Textile-based Wireless Communication and Sensing Devices

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