

Plenary Lectures - Wednesday, August 26, 2026

Topic of the Speech:

Bioeconomy - The Transition from Fossil to Bio-based Raw Materials for Textile Applications

Prof. Antonio Braz Costa

General Manager at CITEVE - Technological Center for Textile & Clothing Industries in Portugal
Portugal



Antonio Braz Costa graduated in Mechanical Engineering from the University of Minho in 1989 and completed his studies in Advanced Public Management at the National Institute of Administration in 2008. He currently holds several prominent positions: General Manager at CITEVE – Technological Centre for Textile and Clothing Industries in Portugal since January 2000; President at CeNTI – Centre of Nanotechnology and Advanced Materials since April 2012; President at Textranet - European Network of Textile Research Organizations since 2010; Vice President at Textile ETP, European Technological Platform for the Future of Textiles and Clothing since 2013; Member of the board of CTI Alliance –Network of Portuguese Technology and Innovation Centres since June 2025; Member of the Board of CCG – Centre for Computer Graphics since 2020; Member of the Advisory Board of ANI – National Agency for Innovation of Portugal; etc.

Topic of the Speech:

Electromagnetic Shielding and Protection of Carbon-based Composites

Dr. Qingqing Ni

Zhejiang Sci-Tech University
China



Dr. Qingqing Ni, Academician of the Engineering Academy of Japan, Distinguished Professor at Zhejiang Sci-Tech University, and Zhejiang Innovation Center of Advanced Textile Technology and doctoral supervisor, as well as Honorary Professor at Shinshu University in Japan. His primary research areas include composite material structures and engineering mechanics, multifunctional nanomaterials and their applications in EMW protection/microelectronic devices, and structural health diagnosis. He has led or participated in over 50 major and large-scale projects, and published more than 500 academic papers, numerous patents, and over 10 monographs.

Plenary Lectures - Wednesday, August 26, 2026

Topic of the Speech:

Design of clothing for better comfort and design – static and dynamic comfort assessment using a network of sensors

Prof. Vladan Koncar

University of Lille
France



Vladan Koncar is a Full Professor at ENSAIT (National Graduate School of Arts and Textile Industries) in Roubaix, within the University of Lille. He obtained his PhD in 1991 from University of Lille 1 in Villeneuve-d'Ascq.

From November 2009 to November 2015, he served as Research Director at ENSAIT and Director of the GEMTEX research laboratory. Professor Koncar was President of AUTEX from June 2007 to June 2010. He received an honorary doctorate from the Alexandru Ioan Cuza University of Iași in January 2010.

Professor Koncar began working on smart textiles and e-textiles more than twenty years ago and was one of the pioneers in this field.

Topic of the Speech:

Textile fibers and biomass reinforced concrete: A sustainable construction material

Prof. Rajesh Mishra

Czech University of Life Sciences Prague
Czech Republic



Prof. Rajesh Mishra works at the Czech University of Life Sciences Prague, Czech Republic. His research areas are textile structural composites, green composites, nanocomposites, biomechanical engineering of fibrous structures, thermo-mechanical characterization of materials, nanomaterials and nano-textiles etc. He has about 250 publications in international journals and about 400 presentations in international conferences. His teaching and research activities include subjects like nanotechnology, biomaterials, structural mechanics of fibrous structures, quality characterization, engineering of textile structures, biomechanics of apparel textiles etc. He is responsible for international students' education and research at the faculty of engineering. Till date he has successfully guided 11 PhD candidates leading to award of title. The graduates are highly placed in academia and industry around the world. At present several candidates are continuing research in leading areas of technology. He has also developed educational and research cooperation with many organizations around the globe.

Plenary Lectures - Wednesday, August 26, 2026

Topic of the Speech:

Doubling the Power Conversion Efficiency of Single-junction Solar Cells

Prof. Bingqing Wei

University of Delaware
USA



Prof. Bingqing Wei is the George W. Laird Professor of Mechanical Engineering and serves as Director of the Center for Fuel Cells and Batteries at the University of Delaware (UD). Before joining UD in 2007, he was an assistant professor in the Department of Electrical and Computer Engineering and Center for Computation and Technology at Louisiana State University 2003-2007. He was a research scientist at Rensselaer Polytechnic Institute, Department of Materials Science and Engineering, and Rensselaer Nanotechnology Center 2000-2003. From 1993 to 2001, he was a faculty member at Tsinghua University in Beijing.

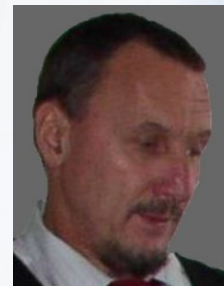
Wei's research portfolio spans a diverse range of topics, with a particular focus on nanomaterials and nanotechnology (carbon nanotubes and graphene), renewable energy (solar cells and photo-induced hydrogen), and advanced electrochemical energy systems (supercapacitors and batteries). He was awarded the Highly Cited Researchers award from Clarivate, selected to be a Fellow of the Royal Society of Chemistry, and appointed to be the inaugural Field-Chief-Editor of Frontiers in Nanotechnology.

Topic of the Speech:

Advanced Fibrous Structures for Shielding of High Frequency Electromagnetic Radiation?

Prof. Jiří Militký

Technical University of Liberec
Czech Republic



Prof. Jiří Militký, MSc. PhD., EURING, FEA, is a full professor from the Department of Material Engineering, Textile Faculty, Technical University of Liberec, Czech Republic. His research focuses on modeling the properties of fibers and textile structures. Research in the area of textile material engineering, metrology, and applied statistics. His main activities and responsibilities include working in the field of modeling kinetic processes in the solid phase. In collaboration with the University of Pardubice, he is working in the field of chemometrics in analytical laboratories. Since 1989, he has been at the Technical University of LIBEREC (TUL). He is responsible for lectures in TUL at the Department of Textile Materials (textile fibers, textile testing, quality control, mathematical modeling, data treatment). He has won numerous awards and is a member of several scientific societies. To date, he has published 37 books and 696 articles, and his H-index in SCOPUS is 51.

Plenary Lectures - Wednesday, August 26, 2026

Topic of the Speech:

Fire Smoke Microphysics and Chemistry, and Predictive Exposure Models Through Materials Innovation

Professor Guowen Song

College of Human Science/Engineering
Iowa State University
United States



Prof. Guowen Song is the Professor and the Noma Scott Lloyd Chair in the Department of Apparel, Event and Hospitality Management at Iowa State University's College of Human Sciences. He received his Ph.D. degree in Textile Engineering, Chemistry and Science, at North Carolina State University's College of Textiles in Raleigh, North Carolina. Song's academic interest is functional textiles and protective clothing for human safety and health. His interdisciplinary research team applies a combined modeling and lab simulation approach to the study of PPE. The research covers novel textile materials, system design, the simulation of hazards, PPE contamination, the analysis and prediction of clothing performance, as well as the development of new methods and standards. Dr. Song has published over 130 scientific papers in peer-reviewed journals and conference proceedings. He has authored four books and contributed a dozen chapters to books in his field of study.

Topic of the Speech:

Critical and Transmedial Promptship Theory as a Taoist Handbook for Ethical Issues in Generative AI for Fashion Image making

Prof. Francesco Fioretto

Istituto Marangoni Headquarters
Italy



Francesco Fioretto is a multidisciplinary creative and cultural strategist whose work bridges fashion, art direction, and media aesthetics. Educated in Communication Design at Politecnico di Milano, Fioretto began his career in Paris, where since 2010 he has worked as an independent art and creative director, reshaping brand identities and expanding luxury and fashion narratives into digital meta+multiverses. His creative practice is marked by a deep focus on narrative image-making—spanning editorial fashion photography, still life, experimental film, and immersive exhibition design. Since 2016, he has led Faux Q Magazine, an avant-garde print review dedicated to fashion and visual culture, as its creative director.

Plenary Lectures - Wednesday, August 26, 2026

Topic of the Speech:

Reinventing Textile Circularity: Scalable Water-Energy Solutions for a Climate-Resilient Industry

Prof. Muhammad Wakil Shahzad

Northumbria University
UK



Prof. Muhammad Wakil Shahzad is Chair of Advanced Energy and Sustainability at Northumbria University, UK, and a Royal Academy of Engineering Industrial Fellow. His work focuses on textile wastewater treatment, circular water systems, and sustainable energy solutions. He leads the FCDO-funded SAFECONOMY (SMEP) project, delivering advanced technologies for industrial wastewater treatment and water reuse in the textile sector. His innovative Molecular Distortion Technology (MDT) has demonstrated over 95% pollutant removal at industrial scale in Pakistan, supporting compliance and circular water use.

Ranked among the Top 2% of Scientists Worldwide, he also leads award-winning research in sustainable cooling and water-energy systems. As Founder & CEO of EcoTechX Ltd, he translates research into real-world solutions. His work contributes to global policy dialogue, including UN Water initiatives, driving scalable, climate-resilient solutions for industry and society.

Topic of the Speech:

Development of Dynamic Drape Measurement of Fabrics using a Reciprocating-Motion System

Prof. Changsang Yun

Ewha Womans University
Republic of Korea



Changsang YUN is an associate professor in the Department of Fashion Industry at Ewha Womans University, specializing in clothing care and textile materials. After receiving his master's degree from Seoul National University, he worked for six years at Samsung Electronics. He later earned his Ph.D. from Seoul National University, focusing on fabric movement and detergency in a front-loading washer. His current research includes advanced clothing care systems, sensory indexing of fabrics for 3D virtual environments, sustainable practices, conservation of textile cultural heritage, and the development of high-performance textiles. His work has been published in leading SCI(E) journals such as Textile Research Journal and Fashion and Textiles, and he holds multiple patents. He is the managing editor of Fashion and Textiles (Q1, SCIE) and advises national institutions such as the Air Force, and major domestic electronics companies, combining academic excellence with practical expertise.

Plenary Lectures - Wednesday, August 26, 2026

Topic of the Speech:

Textile Metamaterials: Structural Design Empowers Functional Innovation for Personal Thermal Management and Energy Harvesting

Prof. Keqin Zhang

Soochow University
China



Prof. Zhang Keqin is a Distinguished Professor and Doctoral Supervisor at Soochow University, a Distinguished Professor and Chief Scientist at the National Engineering Laboratory for Modern Silk, and serves as the Dean of the College of Textile and Clothing Engineering at Soochow University. As a National High-Level Talent, Professor Zhang possesses outstanding academic achievements and significant influence within the industry. He has published over 180 high-impact SCI papers in internationally renowned academic journals, including Nature, Science Advances, Physical Review Letters, Advanced Materials, Matter, Device, ACS Nano, among others. He has authored 5 book chapters and holds over 60 patents filed (including more than 35 granted). His prestigious recognitions include the Second Prize of National Technology Invention Award (2019), the Innovation Team Award of the China Petroleum and Chemical Industry Federation, and three other provincial/ministerial-level science and technology awards.

Topic of the Speech:

Transforming Neurorehabilitation Through Smart Textiles: Neuroprosthesis for Arm-free Standing

Dr. Milos R. Popovic

KITE Research Institute, University Health Network
Institute of Biomedical Engineering, University of Toronto
Canada



Milos R. Popovic, Dipl. El. Eng., Ph.D., FCAE, FAIMBE, FIEEE, FCAHS, FEIC, P.Eng.

Milos R. Popovic is the Director of The KITE Research Institute at the University Health Network and the Director of The Institute of Biomedical Engineering at the University of Toronto. He is an Elected Fellow of the Canadian Academy of Engineering, the American Institute for Medical and Biological Engineering, the Institute of Electrical and Electronics Engineers, the Canadian Academy of Health Sciences, and the Engineering Institute of Canada.

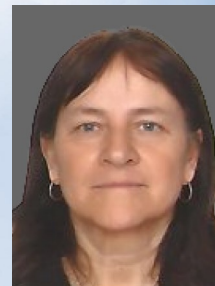
Dr. Popovic is the co-founder of MyndTec, NovaKonexus, the Canadian Spinal Cord Injury Rehabilitation Association, the Centre for Advancing Neurotechnological Innovation to Application (CRANIA) at the University Health Network and the University of Toronto, and the CRANIA Neuromodulation Institute at the University of Toronto. He is also the founder of the Fabric-Based Research (FIBRE) Platform and the Rehabilitation Engineering Laboratory, both located at the KITE Research Institute.

Topic of the Speech:

Textile Structures Emitting Human Body Radiation

Dr. Dana Kremenakova

Technical University of Liberec
Czech Republic



Dr. Dana Kremenakova is working in the Department of Material Engineering, Faculty of Textile Engineering, Technical University of Liberec, Czech Republic. She works in the field of Textile Sciences, focusing on textile materials and technology. She is primarily focusing on the thermal transport properties and barrier properties of fibrous structures, the development of specialized metrology, modeling of textile structures, the optical and mechanical properties of side-emitting polymeric optical fibers, and their applications in textile structures. She has published nine books (as author and co-author), with 139 documents indexed in Scopus, 938 citations, and an h-index of 15. She is a co-author of two international patents, three national patents, and five utility patents.

She was a member of the research team or coordinator of about 20 research projects. She is a guarantor and lecturer for the subject "Nanotechnology in the Textile Branch" within the WE-TEAM Erasmus Mundus Joint Master's Degree program (AUTEX).

Topic of the Speech:

Core Pathways and Technical Practices for AI-ready Transformation of Fiber Data

Prof. Liping Zhu

Donghua University
China



Dr. Liping Zhu obtained her Ph.D degree in Materials Science from Colorado School of Mines, Golden, USA in 2015. From 2015 to 2017, she worked as an adjunct professor in the Department of Chemistry at University of Southern Indiana. Then she started her postdoc research in Donghua University (DHU), Shanghai, China and joined the College of Materials and Science Engineering at DHU as an associate professor in 2021. She serves as a panel member for the Environmental Effects Assessment Panel (EEAP) of the United Nations Environment Programme (UNEP). Her research focuses on AI-assisted design and development of smart and functional polymer materials with bio-based materials and nanotechnology for applications in energy, environment, and biomedical fields.

Medal Lectures - Wednesday, August 26, 2026

Room 1 A

Topic of the Speech:

Pleats Make Sense: A Study of Knitted Origami Capacitive Sensors for Wearable Motion Recognition

Prof. Tsai-Chun Huang

The Hong Kong Polytechnic University
Hong Kong SAR, China



Prof. Tsai-Chun Huang, earned his Ph.D. from the Royal College of Art, London, and is an assistant professor in the School of Fashion and Textiles at The Hong Kong Polytechnic University. Before his Ph.D. he designed for theatre and television in Taiwan and during doctoral study led pleating workshops at institutions including FIT, Parsons, NYU, RCA and Instituto Marangoni. He integrates traditional craft with technology—using 3D printing and smart textiles to redesign pleats and costumes for Taiwanese folk legend, Beijing and Cantonese opera. His work has been exhibited widely (V&A, Tainan, Palermo, Prague Quadrennial, Hull 2017, Venice Biennale 2025) and shown at Tsinghua and the UN Head Quarter. Since joining PolyU in 2020 his research has shifted toward activewear, exploring pleating structures to enhance athletic performance and prevent injury while balancing function and aesthetics. His interdisciplinary publications and awards include the Red Dot 2025 Design Concept.

Medal Lectures - Wednesday, August 26, 2026

Room 1 B

Topic of the Speech:

Impact of connecting pattern of weft-knitted spacer fabric on compression behaviour

Dr. Annie Yu

The Hong Kong Polytechnic University
Hong Kong, China



Dr. Annie Yu is an Assistant Professor in School of Fashion and Textiles, the Hong Kong Polytechnic University. Dr Yu's research interest is on the design of novel knitted fabrics and functional textiles. She specialises in knitting technologies, apparel production techniques, experimental design and evaluation of clothing fit and comfort, physiological and psychological responses of human participants to different types of textiles and clothing products, as well as formulation of simulation models to predict garment-skin pressures. Recently, she focused on developing textile products for the industry and sports related activities by integrating novel textile structures, human ergonomics and biomechanics into the designs.

Topic of the Speech:

Determining the environmental impact and carbon footprint of upcycled PVC flex banners using lifecycle analysis and understanding stakeholders' perspectives

Dr. Prabhuraj Venkatraman

Manchester Metropolitan University
Manchester, UK



Dr. Prabhuraj Venkatraman (Prabhu), Senior Lecturer in Technical Textiles and Sustainable Fashion, Manchester Fashion Institute [MFI], Manchester Metropolitan University, U.K. Prabhu, a technical textile specialist and a Chartered Fellow of the Textile Institute, is a prolific researcher and a dedicated mentor. His research interests include using innovative sustainable materials, developing functional apparel, and technical textiles in improving health. He has made significant advancements in the development of bio-functional finishing of fabrics with antimicrobial properties using plant-based nano-emulsions. His other research areas include the development of socks for diabetic patients to monitor shear force or strain and prevent the formation of ulcers. His current projects include the development of smart face coverings with antimicrobial properties and the development of novel micro and nano-fibres using seaweed (alginate) for healthcare applications. His other research areas include the implementation of circular economy in textile supply chains and product life-cycle assessments. He regularly disseminates his research at international and national events and is a journal peer reviewer. As a Doctoral college Department lead [DCDL] for Manchester Fashion Institute, he plays a crucial role in postgraduate admissions and progression toward meeting the Institute's strategy of increasing the PGR community. He imparts his knowledge of sustainable fashion and product innovation to PG and UG students, inspiring the next generation of researchers. He has supervised five PhD students and four Master by Research (primary supervisor). He supervises three PhD students and two Masters projects and continues to nurture future scholars. He also serves as a personal tutor, offering pastoral guidance and supporting UG students.

Topic of the Speech:

Thermal properties of 3D textile structures

Assoc. Prof. Mohanapriya Venkataraman

Technical University of Liberec
Czech Republic



Assoc. Prof. Mohanapriya Venkataraman, M.Tech, M.F.Tech, Ph.D. is a passionate textile material scientist working at the Department of Material Engineering, Faculty of Textile Engineering, Technical University of Liberec, Czech Republic. Her teaching and research areas include Textile Materials, Micro and Nanoporous Materials, Microplastics, Sustainable materials, Composites, High-value-added products, and Heat and Mass transfer. She is a leader of multiple international projects funded by the EU, the Technology Agency of the Czech Republic (TA ČR), and the Czech Science Foundation (GA ČR). She is the guarantor of two bachelor's and two master's study programs. She has authored over 100 scientific papers, 50 conference publications, 25 keynote speeches, 35 book chapters, and five books. She serves as a Guest Editor for multiple journals. She was profiled in TA.DI magazine of the Technology Agency of the Czech Republic (TA ČR) as a female researcher breaking the stereotype of a traditional scientist.

Medal Lectures - Wednesday, August 26, 2026

Room 1 B

Topic of the Speech:

Ambient Wi-Fi Sensing for Location-Aware Human Activity Recognition: Towards Cooperative Indoor Health Monitoring with Smart Textile Systems

Dr. Ji Ma

Manchester Metropolitan University
UK



Dr. Ji Ma is a Lecturer in the School of Natural Resources and Surveying at Nanning Normal University, China, and an Academic Visiting Scholar at Manchester Metropolitan University, United Kingdom. He received his PhD in Geodesy and Surveying Engineering from Chang'an University. His research interests include indoor positioning, Wi-Fi channel state information sensing, human activity recognition, geographic information systems, underground engineering surveying, and magnetic-levitation gyroscope data processing. He is the principal investigator of a project funded by the National Natural Science Foundation of China and has published research in journals including *Sensors*, *Measurement Science and Technology*, and *Survey Review*. His current work investigates joint indoor localization and contactless human activity recognition using Wi-Fi sensing, with particular interest in its potential integration with smart textile and wearable sensing systems for cooperative indoor health monitoring.

Medal Lectures - Wednesday, August 26, 2026

Room 2 C

Topic of the Speech:

Multimodal Smart Garments: Optical Fiber Sensing, Flexible Electronics, and Health Monitoring

Prof. Dr. Jun Xu

Tiangong University
China



Prof. Dr. Jun Xu is a Professor in the School of Textile Science and Engineering at Tangong University, China. She received her Ph.D. in Textile Mechanical Engineering from the Université de Haute- Alsace, France, and subsequently completed her fellowship at Rhine-Waal University of Applied Sciences, Germany. Her research focuses on smart wearable sensing technologies, clothing ergonomics, and intelligent apparel manufacturing. She has served as principal investigator or key researcher on projects funded by the National Natural Science Foundation of China, as well as provincial and ministerial research and educational programs. She has published more than 30 SCI-indexed papers in leading international journals, including *ACS Applied Materials & Interfaces*, *Optics and Laser Technology*, *IEEE Sensors Journal*, and *Optics Express*. Her current research centers on the acquisition, processing, and interactive transmission of human physiological signals in clothing ergonomics using fiber-optic and electronic sensing technologies.

Topic of the Speech:

Zero-Waste Shirt Design from Pattern to Sustainability with Size Development and Consumer Evaluation

Dr. KyoungOk Kim

Shinshu University
Japan



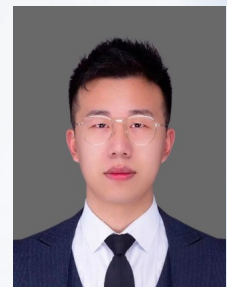
Dr. KyoungOk Kim is an Associate Professor in Department of Advanced Textile and Kansei Engineering, Faculty of Textile Science and Technology, Shinshu University and Division of Fabrics & Production, Institute for Fiber Engineering (IFES), Interdisciplinary Cluster for Cutting Edge Research (ICCER), Shinshu University, Japan. She received her Ph.D. from Shinshu University in Textile Engineering. Her research interests are clothing engineering, textile engineering, and kansei engineering for both apparel and textile fields.

Topic of the Speech:

Aesthetic Computing and Intelligent Fashion Design

Prof. Yan Hong

Soochow University
China



Hong Yan is a professor and executive director of the Department of Fashion Design and Engineering at Soochow University, and a Fellow of the Royal Society of Arts (FRSA). He joined Soochow University through the China Postdoctoral International Exchange Program in 2018 and was recognized as a Young Talent by the China Association for Science and Technology in 2021. He has served as a researcher at GEMTex, France, and sits on the editorial boards of Industria Textile and IJCST. His research focuses on intelligent industrial fashion design and sustainable fashion management. He has led over ten scientific projects, including the EU Horizon 2020 and NSFC, and more than ten industrial collaborations. Dr. Hong has published over 60 papers in leading SCI journals such as IEEE TII, KBS, and IEEE IoT, and holds more than 35 granted patents.

Medal Lectures - Wednesday, August 26, 2026

Room 2 C

Topic of the Speech:

Digital Fashion Development

Prof. Ruobing Zhao

Fashion Institute of Technology
New York, U.S.A



Professor Ruobing Zhao received her Master of Fine Art degree in Fashion Design from the Savannah College of Art of Design in 2002. She worked in the fashion industry over 20 years. Received several design awards. Ruobing Zhao taught in Art Institute of New York, Queens College before. She joined Fashion Institute of Technology in 2013. She is now a tenure-track assistant professor in the Fashion Department. She also served as chairperson of FIT Art & Design Diversity Collective Committee & member of Fashion Sustainability Committee.

Her research interests are the application of new technology in Fashion Design, including Artificial Intelligence (AI) program application, 3D modeling and bioengineering with Fashion Design. She also did collaborative research with professor from Biomedical Engineering Department of Stony Brook University.

Medal Lectures - Wednesday, August 26, 2026

Room 2 D

Topic of the Speech:

Green exercise and urban well-being: measurement, analysis, immersion and surveillance

Dr. Jianquan Cheng

Manchester Metropolitan University
UK



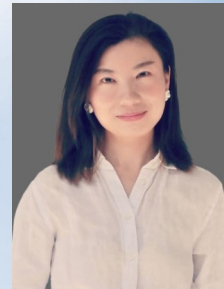
Dr. Qingqing Ni, Academician of the Engineering Academy of Japan, Distinguished Professor at Zhejiang Sci-Tech University, and Zhejiang Innovation Center of Advanced Textile Technology and doctoral supervisor, as well as Honorary Professor at Shinshu University in Japan. His primary research areas include composite material structures and engineering mechanics, multifunctional nanomaterials and their applications in EMW protection/microelectronic devices, and structural health diagnosis. He has led or participated in over 50 major and large-scale projects, and published more than 500 academic papers, numerous patents, and over 10 monographs.

Topic of the Speech:

Effects of Ankle Brace Stiffness on Post-Stroke Gait Biomechanics: A Case Report

Dr. Qiuqiong Shi

School of Fashion and Textiles, The Hong Kong Polytechnic University
Hong Kong, China



Dr. Qiuqiong Shi is a Research Assistant Professor in the School of Fashion and Textiles at The Hong Kong Polytechnic University (PolyU). She specializes in activewear design and human biomechanics, with a focus on data-driven optimization of footwear, legwear, and performance apparel to enhance movement efficiency, comfort, and safety in sport and rehabilitation. Dr. Shi earned her PhD in Activewear and Human Biomechanics from PolyU in 2020, following an MA and BA in Fashion & Textile Design and Technology from Wuhan Textile University. Currently, she is also the member of Research Institute for Sports Science and Technology (RISports), and member of Research Centre of Textiles for Future Fashion (RCTFF). Dr. Shi's work integrates biomechanical studies, machine learning analytics, and textile engineering to improve user comfort, performance, and injury prevention in footwear, compression legwear, and textile-based assistive supports for physically active individuals and clinical populations.

Topic of the Speech:

Leveraging LLMs for automated data harmonization in textile digital product passports

Dr. Vijay Kumar

University of Borås
Sweden



Dr. Vijay Kumar is an Associate Professor and Docent in Textile Management at the University of Borås in Sweden. His research lies at the intersection of computational intelligence, material science, and sustainable textile management. He leads the Textile Systems and Computational Intelligence (TSCI) research group, applying data-driven methodologies, including artificial intelligence, deep learning, and system dynamics, to optimize textile production systems and value chains. Dr. Kumar develops AI/ML-based dynamic decision-support tools to solve circular supply chain challenges and advance sustainable business models. Widely published in leading journals like Computers in Industry, Journal of Manufacturing Systems, Resources, Conservation and Recycling, and Computers & Industrial Engineering, he serves as an Academic Editor for PLOS ONE and on the editorial board for Advanced Materials & Sustainable Manufacturing. Additionally, he serves as an investigator and researcher on numerous projects backed by Swedish and European funders.

Topic of the Speech:
Is Recycling Sustainable?

Prof. Kanji Kajiwara
Shinshu University
Japan



Professor Kanji Kajiwara is now a Special Project Professor for Fiber Innovation Incubator of Shinshu University. He has started his carrier as a polymer physicist at Kyoto University, special-ized in the field of dilute solution properties of synthetic and bio-polymers including critically branched polymers. A natural extension of this study led to the structural characterization of gels, where a small-angle X-ray scattering method has been fully explored by the use of synchrotron radiation.

In 1988, he joined Kyoto Institute of Technology and was engaged more in fiber and textile sci-ence, and served as a Governmental adviser in the policy making committee for the fiber/textile technology strategy. He moved to Otsuma Women University in 2002 in order to refurbish the education system for female talents in the textile and apparel field. Professor Kanji Kajiwara is now a Research Fellow at Fii (Fiber Innovation Incubator) of Shinshu University and an AREC (Asama Research Extension Center) Coordinator.

Topic of the Speech:
Textile Waste Management and Biodegradation

Professor Lijing Wang
RMIT School of Fashion and Textiles,
Australia



Prof. Lijing Wang works at RMIT School of Fashion and Textiles, Australia. He received his PhD degree from the University of New South Wales, Australia. He worked as a Postdoctoral Research Fellow at RMIT University in 1999 and 2000, followed by more than 8 years working at Deakin University as the Research Academic, then Senior Research Fellow. Since 2009, he returned to RMIT University. Prof. Wang currently leads the Materials and Products research theme at RMIT WEFT Research Centre. He has been the chief investigator in more than 40 funded research projects. His publications reached more than 260 with citation H-Index 50. He is in 2% of top-cited scientists worldwide. Professor Wang is the Research Leader in the research field of Textile Engineering in Australia. His key research areas of interest are smart and high high-performance textiles; wearable technology; protective garments; clothing comfort; fibres and polymers material science, engineering and modelling; material functional design; and clothing supply chain sustainability.

Topic of the Speech:

Biobased Materials and Traceability Management in the Textile Materials and Products

Prof. Qing Zhu

SGS-CSTC Standards Technical Services Co., Ltd.
China



Prof. Qing Zhu, Ph.D. majored in Textile Chemistry and Dyeing & Finishing Engineering, Donghua University. Much experience in the textile industry and experience in the development and implementation of innovative sustainability and chemical management (SCM) solutions and projects in the global textile and footwear supply chain.

Participated as the drafter of international, national and industry and association standards, e.g. Lead draft the ISO 17971 standard. Helped many clients to draft their enterprise standard.

Responsible for the certification work, covering sustainability relevant and property relevant certification programs, including GRS/RCS/OCS, biobased, biodegradable, recycled content, durability, etc.

Familiar with major international regulations (e.g. REACH, CPSIA, etc), standards and certifications. Proficient in testing standards in various countries (e.g. GB, ISO, AATCC etc.) as well as the improvement of textile quality problems.

Topic of the Speech:

Influence of wool fiber structure on sensory perception and sensation

Prof. Chiyomi Mizutani

Otsuna Women's University
Japan



Prof. Chiyomi Mizutani is a professor in department of clothing and Textile at Otsuna Women's University in Japan. She is interested in the effects of functional fibers on the human body, related to odors and deodorant fibers, human residence bacteria and antibacterial fibers, itchy skin and antiitch fiber etc. She primarily research environmentally friendly fibers and their effects on human skin.

Topic of the Speech:

Supercritical Fluid Technology-based Decellularized Extracellular Matrix for Biomedical Applications

Professor Aizheng Chen

Huaqiao University
China



Professor Aizheng Chen received his Ph.D. degree in Biomedical Engineering from Sichuan University in 2007. After postdoctoral research at The Hong Kong Polytechnic University for two years, he joined Huaqiao University, where he is now a professor and dean of College of Chemical Engineering, and director of Institute of Biomaterials and Tissue Engineering. He also serves as a committee member of Chinese Society for Biomaterials, and the secretary-general of Chinese Society for Biomaterial-Composite Materials Branch. He was a visiting research professor for a year in Prof. Ali Khademhosseini Lab at Harvard medical school. He has been granted 10 National projects, and has published more than 150 peer-reviewed publications. His research interests are the application of biomaterials for drug delivery systems using supercritical fluid technology, tissue engineering and regenerative medicine. He was listed in 2020 National Hundred, Thousand and Ten Thousand Talent Project and awarded with an honorary title "Young and mid-aged expert with outstanding contribution".

Topic of the Speech:

Smart Fabric-Integrated Biosensor Using Lawsone and Silk Proteins: A Visually Responsive Approach for Glucose and Pathogen Detection in Biomedical Fabrics

Prof. Shyam Kumar Vootla

Karnatak University, Dharwad
India



Prof. Shyam Kumar Vootla is a Professor in the Department of Biotechnology and Microbiology at Karnatak University, Dharwad, India. He obtained his Master's degree in Sericulture from Karnatak University and completed his Doctor of Science (D.Sc.) in Seribiotechnology from Zhejiang University, China. He has carried out postdoctoral research at Seoul National University, South Korea, under the BOYSCAST Fellowship and at Queen Mary University of London, United Kingdom, through the Commonwealth Academic Fellowship. Dr V. Shyam Kumar has over two decades of experience in teaching and research and has made notable contributions to the fields of biotechnology, seribiotechnology, and biomaterials research. His research focuses on silk-based biomaterials and their applications in biotechnology and biomedical sciences. He is a Fellow of the Royal Entomological Society, London, and has research collaborations with several international agencies and universities.

Topic of the Speech:

Effects of Pseudo-Abdominal Attachment on Energy Consumption

Professor Tamaki Takada Mitsuno

Shinshu University
Japan



Prof. Tamaki Takada Mitsuno received her Ph.D. degree in human life science, Specialist, at clothing physiology from Graduate school of Kyoritsu Women's University. Tokyo, Japan in 1996. She was once the head of the home economics education course and in charge of the Graduate School of Medical Science and Engineering course (Doctoral Course).

Her research interests include clothing wearing comfort, clothing pressure and its pressure sense, and supported wear for burning body fat and reducing swelling. To date, she has published over 70 peer-reviewed journal articles.

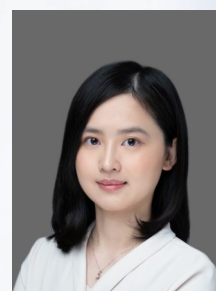
Currently, she is a Member of the Asian Regional Association for Home Economics, The Society of Fiber Science and Technology, Japan, The Japan Research Association for textile end-uses.

Topic of the Speech:

Scaling Fiber-Level Innovations into Integrated Textile Electronic Systems

Prof. Qiyao Huang

The Hong Kong Polytechnic University
Hong Kong SAR, China



Prof. Qiyao Huang, is an Assistant Professor in the School of Fashion and Textiles at The Hong Kong Polytechnic University (PolyU). Her research focuses on fiber-based electronics and textile-integrated systems, specifically designing electrically and ionically conductive fibers for healthcare, rehabilitation, and human-machine interaction. With over 65 publications in prestigious journals like Nature Communications and Advanced Materials, she has established a strong record in material-device-system innovation. Dr. Huang is the Principal Investigator for multiple grants, including the NSFC Young Scientist Fund, RGC General Research Fund, and Early Career Scheme. She received the 2023 PolyU Outstanding Young Scholar Award and the 2025 Science Innovation Award. Currently, she serves on the Youth Editorial Board for JFBI and ATT.

Plenary Lectures - Thursday, August 27, 2026

online

Topic of the Speech:

Green Light-based Volumetric (Bio)printing

Professor Maobin Xie

Guangzhou Medical University
China



Prof. Maobin Xie received his PhD degree of biomedical engineering from The Hong Kong Polytechnic University, Hong Kong, China in 2016, and then works as post-doc research fellow at Harvard University, Boston, USA from 2019-2021. He is now a professor at Guangzhou Medical University, Guangzhou, China. His research interests include 3D (bio)printing and biomaterials, especially focuses on the technology and (bio) inks development of volumetric additive manufacturing as well as the related biomedical applications. He has published over 30 peer-reviewed research work include Nature Communications, Science Translational Medicine, Proceedings of the National Academy of Sciences USA, Advanced Materials, Advanced Functional Materials, STAR Protocols, Biomaterials, etc. He has applied for 16 Chinese patents and 2 PCT patents. He serves as reviewers for over 10 international journals include Advanced Science, Advanced Healthcare Materials, ACS Nano, Applied Materials Today, Nanoscale, etc.

Medal Lectures - Thursday, August 27, 2026

Virtual Room 1 A

Topic of the Speech:

Surface free energy of hemp fibers

Dr. Barbara Romanowska

Institute of Natural Fibres and Medicinal Plants – National Research Institute
Poland



Barbara Romanowska, MSc Eng., has been working at the Institute of Natural Fibres and Medicinal Plants – National Research Institute in Poznan since 2010. She graduated from the Lodz University of Technology, where she studied Textile Engineering at the Faculty of Material Technologies and Textile Design. Her research focuses on natural fiber textiles and the evaluation of the physical and mechanical properties of raw materials, semi-finished, and final products according to international standards. She also holds the position of Quality Manager at the Accredited Research Laboratories INF&MP NRI. Barbara is the author or co-author of several publications and participates in numerous research projects investigating the use of natural fibers in health-promoting textiles.

Topic of the Speech:

Development of Doxorubicin-Loaded Carboxymethyl Cellulose Biocomposites Containing Selenium–Platinum Nanoparticles

Fozil Turakulov

Institute of Chemistry and Physics of Polymers of the Academy of Science of the Republic of Uzbekistan
Uzbekistan



Dr. Fozil Turakulov holds a PhD on Chemical Science and is currently a Senior Researcher at the Institute of Polymer Chemistry and Physics of the Academy of Sciences of Uzbekistan, working in the Laboratory of Chemistry and Technology of Cellulose and Its Derivatives. His research interests focus on nanochemistry, nanotechnology, polymer chemistry, cellulose and its derivatives, and biomedical nanocomposite materials. His research particularly focuses on the synthesis and characterization of selenium and selenium–platinum bimetallic nanoparticles, cellulose-based nanocomposites, and doxorubicin-loaded polymeric systems for potential biomedical and drug-delivery applications. His work covers the development of multifunctional materials based on sodium carboxymethylcellulose (Na-CMC) and other biopolymer matrices, as well as their physicochemical, antioxidant, cytotoxic, and biomedical properties.

Topic of the Speech:

Biohybrid Humanoid Robots Enable Fiber-Based Bioengineering Sensing: fiber sensors, bio-hybrid humanoid robot platform, digital health

Dr. Zekun Liu

Donghua University/University of Oxford
China/UK



Dr. Fozil Turakulov holds a PhD on Chemical Science and is currently a Senior Researcher at the Institute of Polymer Chemistry and Physics of the Academy of Sciences of Uzbekistan, working in the Laboratory of Chemistry and Technology of Cellulose and Its Derivatives. His research interests focus on nanochemistry, nanotechnology, polymer chemistry, cellulose and its derivatives, and biomedical nanocomposite materials. His research particularly focuses on the synthesis and characterization of selenium and selenium–platinum bimetallic nanoparticles, cellulose-b**Dr. Zeku Liu** received his Ph.D. from the Department of Materials at The University of Manchester in 2022. He subsequently worked as a Research Associate at the Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences and the Institute of Biomedical Engineering, University of Oxford. In 2026, he joined Donghua University as a Professor. His research focuses on fiber-based materials for wearable and implantable sensors, soft robotics, and biohybrid humanoid robots for digital healthcare. His interests include the development of advanced fiber materials for sensing and

Topic of the Speech:

Structural engineering of coaxial wet-spun smart fibers for wearable motion sensing

Dr. Chunhong Zhu

Faculty of Textile Science and Technology
Shinshu University
Japan



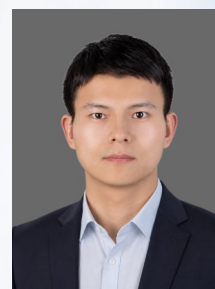
Dr. Chunhong Zhu is an Associate Professor in the Institute for Fiber Engineering (IFES), Interdisciplinary Cluster for Cutting Edge Research (ICCER), as well as the Department of Advanced Textile and Kansei Engineering, Faculty of Textile Science and Technology, Shinshu University, Japan. She obtained her Master's degree from Soochow University, China majored in Textile Materials and Design in 2010. After that, she received her Ph.D. from Shinshu University in 2014. From 2014 to 2015, she worked as a R&D in a Japanese company and returned to Shinshu University as a faculty member in 2015. Her research interests include three-dimensional fabrics, functional and smart textiles.

Topic of the Speech:

Graphene-Functionalized Fibres and Textiles for Smart Textiles Applications

Dr. Heng Zhai

University of Manchester
UK



Dr. Heng Zhai, holds a PhD in Materials Science from the University of Manchester, UK, where his research was primarily focused on the preparation and application of functionalized graphene fiber materials for smart wearable technology and environmental remediation. With nine years of research experience at Manchester, Dr. Zhai specialized in techniques including wet spinning and electrospinning to produce graphene-based sensors exhibiting high sensitivity and robustness. His postdoctoral work further extended into electrochemistry and hydrogen energy, notably developing innovative proton exchange membrane fuel cells (PEMFCs) through advanced membrane electrode assembly techniques.

Topic of the Speech:

Sensor-Integrated E-textile for Long-term Physiological Monitoring in Sports

Dr. Lulu Xu

Loughborough University
UK



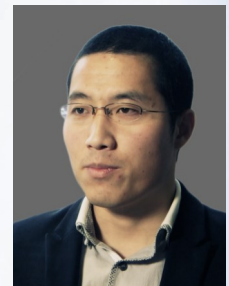
Dr Lulu Xu is a Lecturer in Sport Technology at Loughborough University's School of Mechanical, Electrical and Manufacturing Engineering. Her research focuses on wearable textile devices for monitoring physiological and biomechanical signals, with applications in rehabilitation, healthcare, and women's sports. Lulu is actively involved in projects with the National Rehabilitation Centre and Loughborough's ergonomic and biomechanics laboratories, where she develops intelligent garments that support recovery, injury prevention, and performance tracking. Her work integrates functional textiles, embedded sensors, and wireless communication to enable real-time monitoring of motion and health conditions in everyday settings. She also explores advanced additive printing techniques to embed electronics and sensing components directly into fabrics, paving the way for scalable, conformal e-textiles. Her work combines material innovation with practical device development to support both clinical and sports applications.

Topic of the Speech:

Materials innovation for smart textiles towards sustainable fashion

Dr. Xin Wang

RMIT University
Australia



Dr. Xin Wang is an associate professor in Fashion and Textiles Technology at the School of Fashion and Textiles, RMIT University, Australia. As a key member of Materials & Products theme in the WEFT Research Centre, A/Prof. Xin Wang is leading a research group focusing on nanotextiles. A/Prof. Wang is also the coordinator of several courses in the Fashion and Textiles programs, leading curriculum development in materials innovation and signature pedagogy DesciSustain. A/Prof. Wang has research interests in advanced fibrous materials with performance and comfort, and his research has resulted in advanced textile fabrication technology and advanced fibrous materials. His research has impact on a broad community of academia and industry, evidenced by patented IP of large-scale production of nanofibres from needleless electrospinning, commercialised products and technology, and high citation records of published work. A/Prof. Wang has led several projects funded by both government and industry including the National Natural Science Foundation of China, Cotton Research and Development Corporation of Australia, and Australian Research Council. He has successfully supervised more than 10 Masters and PhD students.

Topic of the Speech:

Developing a hybrid cooling vest for combating heat stress in the construction industry

Dr. Yueping Guo

Novel Protective Textiles Limited
Hong Kong, China



Dr. Yueping Guo earned her Ph.D. degrees at Institute of Textiles and Clothing, The Hong Kong Polytechnic University. Then she consecutively joined The Hong Kong Polytechnic University and was a Fellow, Project Manager, Project Deputy Coordinator and Lecturer. She established Novel Protective Textiles Limited and is a Responsible Official of the company. She supervised M. Phil. and PhD students. She has authored and co-authored more than 100 journal publications, conference papers/presentations, technical reports, book chapters and patents. She has more than 10 awards on outstanding research papers, patent inventions and technology transfer. The inventions from the research projects have been successfully commercialized, including Nano-facemasks, High Performance Sportswear, Anti-Heat Stress Clothing for construction workers, and Summer Uniforms for cleansing workers, which won many international and regional invention/innovation awards. She served as an editor for Journal of Fiber Bioengineering and Informatics, and is the reviewers for CMAJ and Textile Research Journal etc.

Topic of the Speech:

Digital Reconstruction of Heritage Clothing: A Systematic Review of 3D Technologies and Workflow Paradigms

Prof. Chuan-Lan Liu

Louisiana State University
USA



Dr. Chuanlan Liu is Professor and Doris L. & Jules A. Carville, Jr. Professor in Human Ecology at Louisiana State University, where she also serves as Graduate Advisor in the Department of Textiles, Apparel Design, and Merchandising. She holds a Ph.D. in Integrated Textile and Apparel Sciences and an MBA from Auburn University. Dr. Liu's research focuses on digital transformation in fashion and retail, consumer behavior, sustainability, and emerging technologies, including AI, digital product passports, and 3D design systems. Her work bridges technology and consumer insights, advancing understanding of how innovation reshapes fashion systems and user experiences. She has authored over 70 peer-reviewed publications. An internationally recognized scholar, Dr. Liu has delivered keynote and plenary speeches across the United States and Asia, contributing to global dialogue on digitalization, sustainability, and innovation in textiles and apparel. Her leadership extends to interdisciplinary research, graduate mentorship, and industry collaboration, positioning her as a leading voice in shaping the future of fashion through technology and policy.

Topic of the Speech:

Hydroxypropyl Methylcellulose/Carboxymethylcellulose-Based Dissolving Microneedles for Sustained Transdermal Delivery of Metformin

Prof. Khaydar Yunusov

Institute of Chemistry and Physics of Polymers of the Academy of Science of the Republic of Uzbekistan
Uzbekistan



Prof. Khaydar Yunusov is the manager of the Cellulose Chemistry and Technology Laboratory at the Institute of Chemistry and Physics of Polymers, Uzbekistan Academy of Sciences, and a leading expert in polymer science and nanotechnology. He holds a Doctor of Science (DSc) degree and has over 20 years of research experience in the synthesis and application of biodegradable polymers for medicine. He has authored numerous peer-reviewed publications and holds several patents related to the synthesis of polymeric forms of drugs and biomaterials. Prof. Yunusov is an affiliate member of the editorial boards of the Uzbekistan Journal of Polymers and the Journal of Nanosciences Research & Reports. He is also a member of the Scientific Council responsible for awarding scientific degrees.

Topic of the Speech:

3D Biofabrication of Microgels and Their Biomedical Applications

Dr. Guosheng Tang

Guangzhou Medical University
China



Guosheng Tang is a Professor and Doctoral Advisor at Guangzhou Medical University. He completed his postdoctoral fellowship at Harvard Medical School under the supervision of Professor Yu Shrike Zhang. His research centers on 3D bioprinting and microgel fabrication, which are widely applied in cell delivery, regenerative medicine, and other related areas. In 2021, he was recruited full-time to the School of Pharmacy of Guangzhou Medical University as a "Nanshan Scholar Distinguished Professor" under the Guangdong Provincial High-Level University Construction Project. He currently serves as a committee member of the Bio-Manufacturing Engineering Division of the Chinese Mechanical Engineering Society and the 3D Bioprinting and Tissue Regeneration Branch of the Guangdong Society of Biomedical Engineering. He also serves as a Young Editorial Board Member for Nano Micro Letters, Exploration, and others. To date, he has published over 50 SCI articles in top-tier journals such as Cell, Nature Microbiology, PNAS, and Nature Communications.

Topic of the Speech:

Multiscale Engineering of Silk Fibrous Biomaterials for Medical Textile Applications

Prof. Xiaoqin Wang

Soochow University
China



Prof. Xiaoqin Wang was born in January 1969. He holds a doctoral degree and is currently a professor and doctoral supervisor. He serves as a distinguished professor at the National Engineering Laboratory for Modern Silk, and the chief scientist of sericin biotechnology at Suzhou Silktex Biotechnology Co., Ltd. and Zhejiang Kailixiya Group. He is also recognized as a leading talent in nanotechnology at Suzhou Industrial Park and a leading talent in Suzhou (Gusu Talent)



TBIS 2026
The 19th Textile Bioengineering and Informatics Symposium
(Hybrid)

Textile Innovations for Human Centered Fashion-Reshape Fashion Culture and Lifestyle through Digitalisation and Design Innovations

August 25-28, 2026
Lille, France

www.tbisociety.org (Click Symposium)
Email: tbis@tbisociety.org

Co-organized by: 

Supported by: 

Sponsored by: 

Date: 27 August 2026

Time: 9:00am - 10:50am (Franch, GMT+2)

Venue: Lilliad – Cité scientifique - Avenue Henri Poincaré BP 30155 - 59653 Villeneuve d'Ascq Cedex
Onsite & Virtual Room (Online)



Meeting ID: 8713455 5829
 Passcode: 202608

<https://us02web.zoom.us/j/launch/jc/87134555829>

Special Forum 1

Digital Product Passport for Traceability and Circular Textile Systems



Prof. Antonio Braz Costa

Forum Chairs: Prof. Henry Yi Li & Prof. Antonio Braz Costa



Prof. Henry Yi Li
 University of Manchester,
 United Kingdom

Topic of the Speech:
 From Data to Value:
 Architectures for Scalable
 Digital Product Passports in
 Textile Supply Chains



Elodie Khamphoui, Carole Magniez and Moise Vouters
 Team2 Industrial
 Competitiveness Cluster,
 France

Topic of the Speech:
 European project ECHT:
 Establishing chemicals traceability
 for implementation of DPPs



David Liu
 Digital Product Passport
 Technology EU B.V.,
 Netherlands

Topic of the Speech:
 Introduction of MA-DPP



Tim Jun Li
 Digiclo Ltd, Ireland

Topic of the Speech:
 Fashion Big Data Digital
 Product (FBD-DPP) use-cases



Dr. Aris Rui Huang (Online)
 Xihua University, China

Topic of the Speech:
 Research on a Business
 Modeling-Driven
 Construction Mechanism for
 Distributed Trustworthy
 Digital Product Passports
 (DPP)



Simon Dakin
 SDLATLAS LTD, Sales
 Director, Europe

Topic of the Speech:
 AATCC TM218-2025, Test
 Method for Determination of
 Tactile Sensations of Textiles:
 Instrumental-Multi-Module



Xiaonan Xu (Online)

Topic of the Speech:
 EF DPP



Xu Wang

Topic of the Speech:
 Technical Performance DPP

Round Table on Industrial challenges & solutions

Theme: From Regulation to Implementation: Making DPP Operational in Textile Industry

Date: 27 August 2026
Time: 11:00am - 12:00am (Franch, GMT+2)
Venue: Lilliad – Cité scientifique - Avenue Henri Poincaré BP 30155 - 59653 Villeneuve d'Ascq Cedex
Onsite & Virtual Room (Online)



Online Zoom

Meeting ID: 8713455 5829
Passcode: 202608
<https://us02web.zoom.us/j/87134555829>

Special Forum 2 **Human-Centered Textile Safety Systems: Protection, Health and Methodological Innovation**



Prof. Guowen Song
Iowa State University, USA

Topic of the Speech:
Designing High-Performance Protective Textile Systems: Integrating Materials, Function and Human Factors



Dr. Simon Annaheim (Online)
Empa, Switzerland

Topic of the Speech:
Real-Time Monitoring of Thermophysiological Strain in Protective Clothing Using Textile-Integrated Sensors

Stephan Vérin
EuraMaterials Cluster, France

Topic of the Speech:
From Laboratory Innovation to Field Deployment: Building the Innovation Ecosystem for Next-Generation Protective Textile Systems

Round Table on Industrial challenges & solutions

Theme: Toward Reliable, Human-Centered, and Intelligent Protective Systems

Date: 27 August 2026
Time: 13:30pm - 15:20pm (Franch, GMT+2)
Venue: Lilliad – Cité scientifique - Avenue Henri Poincaré BP 30155 - 59653 Villeneuve d'Ascq Cedex
Onsite & Virtual Room (Online)



Meeting ID: 8713455 5829
 Passcode: 202608
<https://us02web.zoom.us/j/launch/jc/87134555829>

Online Zoom

Special Forum 3

AI for Society- Manufacturing, Industry 5.0 and Sustainability

Forum Chairs: Prof. Xianyi Zeng & Prof. Yi Li



Prof. Xianyi Zeng and Kim-Phuc Tran
 ENSAIT – University of Lille, France

Topic of the Speech:

Human-Centric AI-driven Textile Manufacturing: concepts, Technologies and Pathways to Industrial Deployment

Prof. Sidharta Gautama
 Ghent University, Netherlands

Topic of the Speech:

Intelligent systems engineering for Industry5.0



Prof. Xuemei Ding
 Donghua University, China

Topic of the Speech:

An AI Agent-Based Framework for Automated Textile Carbon Footprint Accounting



Allie Shi
 MDPI

Topic of the Speech:

Advancing Interdisciplinary Research in the AI Era



Prof. Henry Yi Li
 University of Manchester, the United Kingdom

Topic of the Speech:

IAISF -Vision and Mission



Dr. Leon Liang Yang
 MDPI

Round Table on Industrial challenges & solutions

Theme: Deploying AI in Society: From Pilot Projects to Industrial Value Creation



Jack Copeland



Lauren M. E. Goodlad



Bingbin Lu



Parisa Kordjamshidi



George Magoulas



Sandro Serpa

Date: 27 August 2026
Time: 15:20pm - 17:30pm (Franch, GMT+2)
Venue: Lilliad – Cité scientifique - Avenue Henri Poincaré BP 30155 - 59653 Villeneuve d'Ascq Cedex
Onsite & Virtual Room (Online)



Meeting ID: 8713455 5829
Passcode: 202608

<https://us02web.zoom.us/j/launch/jc/87134555829>

Online Zoom

Special Forum 4

From Creative Design to Global Impact: Innovation Ecosystems for the Future Textile Industry



Dr. Mingjing Lin
London College of Fashion, United Kingdom

Topic of the Speech:
From Creative Exploration to Commercial Value: Pathways for 3D Textile Innovation



Hao Shi (Online)
Moody's Investors Service, France

Topic of the Speech:
From Innovation to Market Impact: Building Europe–Asia Partnerships for the Future Textile Industry

Round Table on Industrial challenges & solutions

Theme: Building Textile Innovation Ecosystems: From Creative Design to Global Impact

Special Forum 5

Textile Bioengineering for Sports Performance



Prof. Li Liu
Beijing Institute of Fashion Technology, China

Topic of the Speech:
Textile Systems for Performance Enhancement: Integrating Physiology, Materials and Design

Shuang Zhang
Decathlon, France

Topic of the Speech:
Textile Innovations for Enhancing Sports Performance and Athlete Comfort: Industrial Case Studies

Mélanie Monceaux
CETI, France

Topic of the Speech:
Moisture-Responsive Smart Textiles for Adaptive Thermal Regulation in Sportswear

Round Table on Industrial challenges & solutions

Theme: From Elite Performance to Everyday Applications: The Future of Textile-Based Sports Systems