TBIS

Topic of the Speech:
Multimodal Smart Garments: Optical Fiber Sensing, Flexible Electronics, and Health Monitoring

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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 fewllowship 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.