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Topic of the Speech:
Scaling Fiber-Level Innovations into Integrated Textile Electronic Systems

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Prof. Qiyao Huang is currently an Assistant Professor in the School of Fashion and Textiles at The Hong Kong Polytechnic University (PolyU). She received her B.S. and Ph.D. degrees from PolyU in 2014 and 2019, respectively. Following her doctoral studies, she conducted postdoctoral research at the same institution and was subsequently promoted to Research Assistant Professor before her current appointment. Her research primarily focuses on fiber-based electronic materials and textile-integrated electronic devices. Specifically, she specializes in the design of electrically and ionically conductive fibers and the integration of multifunctional textile electronic systems, advancing their application in areas such as healthcare monitoring, rehabilitation, and human-machine interaction.

To date, Dr. Huang has published over 65 papers in high-impact journals, including Nature Communications, Advanced Materials, Advanced Fiber Materials, ACS Nano, and Chemical Engineering Journal. She serves as the Principal Investigator for several research projects, including NSFC Young Scientist Fund, RGC General Research Fund (GRF), and RGC Early Career Scheme (ECS). Her academic contributions have been recognized with numerous honors, such as the Outstanding Young Scholar Award (2023) from PolyU's School of Fashion and Textiles and the Science Innovation Award at the 2025 Symposium on Materials Science and Intelligent Manufacturing. She is currently the member of Youth Editorial Board of the JFBI & ATT.