



Topic of the Speech:

In-situ Complex Evaluation System of Tactile Handle Behavior of Fabric

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Dr. Zhaoqun Du is a full Professor and Ph.D. supervisor in College of Textiles, Donghua University, China. Zhaoqun Du obtained his B.S. Degree in Textile Materials and Engineering from Zhongyuan University of Technology in 2001. He obtained his PhD in Textile Materials and Design from College of Textiles, Donghua University in 2006. Then, he was an associate professor in College of Textiles, Donghua University from 2008 and to be a supervisor for both MSc and PhD from 2014; after that, he was a professor from 2014, when he pursued in Development, Characterization and Modelling of Structure and Behaviour of Textile Materials, and Design, Formation and Characterization of Functional and Smart Textiles.

He has taught various courses at undergraduate and postgraduate levels including Textile Materials, Physics of Textiles, Quality Analysis of Textile Products, Textile Measurement, Testing Principle of Fibre and Its Products, Textile Measurement, Nanocomposite Science and Technology. He has over 100 scientific publications, including more than 80 SCI/EI papers. He has been authorized over 70 patents, including New Method to Structure and Properties of Textile Materials, New Structure and Materials for Functional and Smart Textile Products, and Innovative Testers for Behaviour of Textile Products. Some of the achievements are awarded by Fujian provincial government and China National Textile Industry Association, National Excellent Doctoral Dissertation Nomination Award Shanghai Excellent Doctoral Dissertation Award, Shanghai Municipal Education Commission and Shanghai Education Development Foundation.

He has been undertaken and completed over 20 projects from National Natural Science Foundation of China, Fok Ying Tung Education Foundation, and Ministry of Education of China, State Commission of Science and Technology for National Defense Industry, the Fundamental Research Funds for the Central Universities, the National Key Research and Development Program of China. By acquiring substantial research funding and obtaining funding support from government funding bodies and industry, he established Comprehensive Handle Evaluation System For Fabrics and Yarns, Theoretical Analysis of Mechanical and Heat/Mass Transferring Behaviour of Fiber Assembly, Finite Element Analysis and Simulation of Mechanical Deformation of Textile Products, Characterization and Modeling of Structure and Behaviour of Textile Materials, and Design and Characterization of Functional and Smart Textiles, Deformation Mechanism of Textile Materials with Negative Poisson's Ratio.