



**Topic of the Speech:**

Innovation and Sustainable Development of Apparel Engineering System

**Professor Yan Chen**

Soochow University  
China



**Professor Yan Chen** received her PhD degree in textile engineering, School of Textile and Clothing Engineering, Soochow University. Currently she is the professor in Department of Clothing Design and Engineering; the reviewer of Journal of Global Fashion Marketing, Journal of Industrial Textile, Textile Research Journal, Journal of Textile Research; the committee member of SMDTex, ERAMUS.

The research work of Yan CHEN involves textile and garment design, garment manufacture management, sensory evaluation of textile and clothing. She has published more than 20 papers in key textile journals in the recent 5 years and supervised 5 PhD students and more than 15 master students. She has conducted one national research project (silk fabric performance research) and a number of provincial research projects in the area of interactive garment design system, evaluation and prediction of textiles and fashion products using intelligent system and management of clothing manufacture processes.

## **Innovation and Sustainable Development of Apparel Engineering System**

Yan Chen

*School of Textile and Clothing Engineering, Soochow University, Suzhou, Jiangsu 215123, China*

\*Presenter's email: yanchen@suda.edu.cn

### **ABSTRACT (NO MORE THAN 500 WORDS:)**

The international collaboration together with advanced science and technology provided great power for the innovation and sustainable development of apparel industries. On the basis of the current situation analysis, the development trends of the apparel industries were stated in the terms of technology, environment protection and fashion. The apparel engineering system was introduced in the sub-system separately as the innovative design system, novel products development, advanced manufacture system and digital supply chain management system. The characters and performance of the advanced science and technology applied in the system. Based on the main challenges from all the aspects of apparel engineering system, as well as the impacts from the environmental, the topical subjects were proposed in the terms of apparel materials, design and manufacture, ergonomic system, business model and sustainable development for the apparel engineering system. It was expected to provide inspiration and roadmap for the synchronous development of the apparel engineering system and the advanced science and technology.

**Keywords:** Engineering System; Apparel Industries; Sustainable Development; Supply Chain Management; Apparel Design and Manufacture