



Topic of the Speech:

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

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Dr. Yueping Guo earned her Ph.D. degrees at Institute of Textiles and Clothing, The Hong Kong Polytechnic University. After her Ph.D. training, she consecutively joined The Hong Kong Polytechnic University and was a Post-Doctoral Fellow, Research Fellow, Project Manager, Project Deputy Coordinator and Lecturer. Later, Dr. Guo established Novel Protective Textiles Limited and is a Responsible Official of the company. She supervised M. Phil. and PhD students. To date, 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 such as grand prize and gold medal (2016, Geneva), Hong Kong Contraction Industry Council Grand prize (2015), Innovation Achiever's Award (2015), Distinguished Knowledge Transfer Awards – Community Excellence (2017), and has been transferred to the Hong Kong Construction Industry and the Food and Environmental Hygiene Department. She served as an editor for Journal of Fiber Bioengineering and Informatics and is the reviewers for CMAJ, American Journal of Infection Control, Textile Research Journal, Industrial Textile journal, Journal of Building Engineering and Marine Pollution Bulletin.