

9 January 2017

**BSE Research Team Received the Excellent Product Award in
China Hi-Tech Fair 2016**

The Department of Building Services Engineering (BSE) of The Hong Kong Polytechnic University (PolyU) was pleased to announce that Prof. Yang Hongxing's research team received the Excellent Product Award in China Hi-Tech Fair (CHTF) 2016 held from 16 to 21 November 2016 in Shenzhen. Each year, CHTF is co-hosted in Shenzhen by Ministries and Commissions of the national government and Shenzhen Municipal People's Government. Currently, it is the largest and the most influential scientific and technological fair in China and is renowned as "the No.1 Technology Show in China".

The awarded product was a highly dispersed nanocomposite paste for self-cleaning photovoltaic panels, which was developed by Prof. Yang Hongxing, Dr. Lu Lin and Dr. Wang Yuanhao from the Renewable Energy Research Group of BSE.

The developed low-cost, environmentally friendly and highly transparent nano paste can be coated on different kind of surfaces including solar panels and curtain walls and protect them from organic and inorganic dirt under sunlight activation and rainwater brush. It can significantly reduce 70% cleansing cost as well as increase the average output power of solar panels up to 11.7%. This highly transparent, robust and multifunctional coating also protects the surfaces from corrosion of the sandstorm and acid rain so that their life span can be greatly extended.



Certificate of Excellent Product Award to Prof. Yang Hongxing's Research Team

The Department would like to congratulate Prof. Yang and his research team members for their accomplishments.