

Press Invitation  
傳媒邀請

30 June 2017

**Local / Education / Innovation & Technology / Transportation News Editors**

Dear Sir / Madam,

**PolyU develops sprayable sensing network technology  
for real-time structural health monitoring**

The Hong Kong Polytechnic University (PolyU) research team developed a novel type of nanocomposites-inspired sensor network technology through which sensors can be sprayed directly on flat or cured engineering structures, such as train tracks and aeroplane structures. The sprayed sensors can be networked to render rich real-time information on the health status of the structure under monitoring.

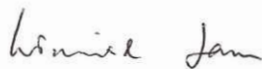
The use of the new sensor network will allow real-time detection of very fine cracks (in terms of mm) in most engineering materials. Due to its light weight and low fabrication cost, large quantities of sensors can be deployed for detecting flaws of structures, paving the way for a new era of ultrasonics-based structural health monitoring.

A press conference will be held to introduce the new technology. You and your representatives are cordially invited to cover the press event. Details are as follows:

**Date:** 5 July 2017 (Wednesday)  
**Time:** 10:30am  
**Venue:** Room V1201, 12/F, Jockey Club Innovation Tower (Block V), PolyU  
**Speaker:** Professor Su Zhongqing, Department of Mechanical Engineering, PolyU

For enquiries, please feel free to contact Ms Michelle Li at 3400 2128 or Ms Christina Wu at 3400 2130 / 9162 8048. Thank you.

Yours sincerely,



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