



Press Release

MTR and HKU signs MoU on railway operation big data analysis

December 19, 2018



(from left) HKU Dean of Engineering Professor Christopher Chao, Vice-President (Research) Professor Andy Hor, MTR Operations Director Mr Andi Lau, Chief of Operations Engineering Dr Tony LEE Kar Yun

The University of Hong Kong (HKU) and the MTR Corporation (MTR) signed a Memorandum of Understanding today (December 19) to identify and collaborate in research issues of mutual interest on railway operation and maintenance engineering.

MTR is looking for leading technologies to advance its capabilities in data collection and analysis, predictive and prescriptive maintenance, condition-based monitoring systems, artificial intelligence and robotics for the operation of its railway network. HKU will be using its technologies and other facilities in collaboration with MTR for the purpose.

HKU Vice-President (Research) Professor Andy Hor and Mr Adi Lau, Operations Director of MTR represented the two institutions in the signing ceremony.

According to the agreement, MTR and HKU will collaborate in developing possible solutions which will enhance railway operation and maintenance engineering using methodologies including image analysis, forecasting, image and data visualization and big data analytics, involving academics and professionals from the Faculties of Engineering and Science, and the Information Technology Services of HKU.

The two institutions will also collaborate to identify suitable student research projects at all levels (undergraduate and postgraduate levels) to be jointly supervised by HKU and MTR personnel.

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Captions:



(from left) HKU Dean of Engineering Professor Christopher Chao, Vice-President (Research) Professor Andy Hor, MTR Operations Director Mr Andi Lau, Chief of Operations Engineering Dr Tony LEE Kar Yun



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