

THE 6th GREATER CHINA REGION DESIGN COMPETITION 2017

Mine Industry Handling

Date: 25 March 2017 – 26 March 2017

Venue: Hong Kong University of Science and Technology

Institution: The Chinese University of Hong Kong
Department of Mechanical and Automation Engineering



MAE Students won the Champion at the 6th Greater China Design Competition 2017

Eight students (Yip Kwan Yi (3rd right), Yip Ka Chun (5th right), Yip Chi Yiu (5th left), Chiu Sin Hang (2nd left), Ho Wing Hang (4th left), Leung Chun Hei (3rd left), Chow Ka Chung (4th right) and Yue Felix Yun Fei) from the Department of Mechanical and Automation Engineering, CUHK designed a prototype for energy conversion, and won the Champion at the 6th Greater China Design Competition.

Hosted by the Institution of Mechanical Engineers (IMechE) Hong Kong Branch, the competition was held in the Hong Kong University of Science and Technology, Hong Kong, on 25 and 26 March, 2017. The theme is to design, build, and perform test runs for an energy conversion system to utilize the gravitational potential energy stored in two liters of water to lift as much simulated ore as possible out of the simulated mine and deposit it into a receiving bin.

The CUHK team, led by Dr. Li Yiyang (2nd right), Prof. Xu Dongyan (1st right) and the assessor Leung Yun Yee (1st left), has competed among eight contesting teams representing eight universities from Hong Kong, Macau and China. With its innovative design ideas, and excellent demonstration, CUHK team won the Champion.



(The Champion: CUHK team)

機械與自動化工程系學生於大中華設計大賽再次奪冠

由英國機械工程師學會（香港分會）舉辦的第六屆大中華設計大賽於2017年3月25至26日在香港科技大學舉行。香港中文大學工程學院機械與自動化工程系學生葉昆宜（右三）、葉嘉晉（右五）、葉志堯（左五）、趙善衡（左二）、何永鏗（左四）、梁雋曦（左三）、周家驄（右四）和岳雲飛在高級講師李奕陽博士（右二）、徐東艷教授（右一）和梁潤怡技術員（左一）的指導下，憑著優異的表現和創新的設計，再次斬獲冠軍殊榮！

是次比賽要求參賽者設計能量轉換裝置及運載系統，將2公升水在1米的高度所具有的勢能轉換成動能，在規定時間運載盡可能多的礦物（比賽時用米代替）到指定地點卸載。源自“杠杆平衡原理”的靈感，同學們充分發揮機械工程的優勢，設計出性能卓越、兼具穩定性好和魯棒性強的能量轉換系統，最終贏得比賽。



中文大學優勝隊伍
