

News Release:

## **MEng graduate from BSE Department won the second prize in the Chinese National College Student Competition for the Refrigeration and Air-conditioning Industry (South China region)**

Organized by The Chinese Refrigeration and Air-Conditioning Industry Association (CRAA) and the South China University of Science and Technology, the 12<sup>th</sup> Chinese National College Student Competition for the Refrigeration and Air-conditioning Industry (South China region) was successfully held in Guangzhou, from 26 to 27 June 2018. The 2018 national competition attracted over four thousands of students majoring in HVAC engineering, building service engineering and energy application engineering from more than 110 colleges and universities nation-wide.

The theme of this competition was ‘Air conditioning and Refrigeration Technology that creates beautiful life’, aiming at encouraging competitors to make great contribution to improved life quality through innovative refrigeration and air conditioning technology.



The competition was divided into 2 groups, the undergraduate group and postgraduate group. In the postgraduate group, Miss Tse Yau Ki, a recent graduate from MEng in BSE from Department of Building Services Engineering took part in the competition and won the second prize in the postgraduate group. The title of her entry was ‘Improvement of a new capacity controller for a variable speed direct expansion air conditioning system with an emphasis on system stability’. She demonstrated that the operational stability of a VS DX AC system may be improved by appropriately considering resetting the setting of degree of refrigerant superheat and an improved capacity controller was thus developed and experimentally validated. Miss Tse’s supervisor was Prof Deng Shiming.

