

Research Grants Council reschedules STEM public lecture to November 14

The following is issued on behalf of the University Grants Committee:

The Research Grants Council (RGC) will present its third public lecture this year under the theme of STEM on November 14 (Sunday) at the Hong Kong Science Museum. The public lecture was originally scheduled for October 9 but suspended due to the hoisting of the Tropical Cyclone Warning Signal No. 8.

The RGC has invited Chair Professor of the Department of Electrical Engineering and the Director of State Key Laboratory of Terahertz and Millimeter Waves (SKLTMW) of the City University of Hong Kong (CityU), Professor Chan Chi-hou, and Sir Sze-yuen Chung Professor on Precision Engineering, Chair Professor of Precision Engineering and Associate Head of Industrial and Systems Engineering Department of the Hong Kong Polytechnic University (PolyU), Professor Yung Kai-leung, to share their research findings and professional knowledge with the public. Details are as follows:

Time: 2.30pm to 4.30pm

Venue: Lecture Hall, 1/F, Hong Kong Science Museum

Language: Cantonese

Admission: Free (while seats are available on a first-come, first-served basis)

Members of the public can also watch the live broadcast of the lectures through the Hong Kong Science Museum website (hk.science.museum/en_US/web/scm/pp/sl.html).

High-performance antennas are widely used in wireless communication. The antenna research team of the SKLTMW of CityU has made significant contributions to the development of antennas for modern wireless communications, especially in bandwidth broadening techniques, transparent antennas, magneto-electric dipoles, etc. Their Beidou antennas for mobile terminals contributed to the rescue mission in the 2008 Wenchuan earthquake. Some other inventions can be found in 5G base-stations and smart phones. The team is now engaging in the research of on-chip antennas, beam steering devices and active phased array for 6G wireless communications.

One of PolyU's developed sophisticated space instruments, the Camera Pointing System, which was successfully deployed on Chang'e-3 and Chang'e-4 Lander during China's first lunar soft landing exploration mission in 2013 and mankind's historic lunar far-side landing mission in 2019 respectively, captured panorama images of the moon landscape and movement of the rover Yutu. The remarkable stories behind them involved the ultimate technological challenges in multi-disciplinary engineering and sciences. The lecture will cover some of the challenges encountered and related inspiring solutions.

The public lectures of the RGC aim at arousing public interest in local research developments. Since 2009, the RGC has invited numerous leading scholars to speak at these lectures. For enquiries, please call 2524 3987 or visit the University Grants Committee webpage (www.ugc.edu.hk/eng/rgc/about/events/lectures/lectures.html). In addition, the RGC has launched an email subscription service, and people who are interested in receiving updates of new contents on the RGC website can subscribe to the service at www.ugc.edu.hk/eng/rgc/about/subscribe.