

OFCA organises third 5G Campus Application Competition (with photos)

Riding on the success of the 5G Campus Application Competitions held in the past two years, the Office of the Communications Authority (OFCA) organises the third edition of the Competition this year under the theme "5G x Unmanned Aircraft System (UAS) – The Sky is the Limit for Knowledge" to enhance students' understanding of the fifth generation mobile (5G) technology and the UAS, and encourage them to explore the application of 5G technology in the low-altitude economy, with a view to boosting their creativity and tapping their potential in innovative technologies.

Speaking at the Kick-off Ceremony cum Seminar of the Competition today (May 10), the Director-General of Communications, Mr Chaucer Leung, said, "The 5G Campus Application Competition held last year focused on 5G and artificial intelligence (AI). It was encouraging to see the participating students' innovative thinking and dedication to research and development in terms of 5G and AI applications, scenario design and collaboration, as demonstrated in the final entries. OFCA organises the third Competition this year to encourage participating students to make use of the unique advantages of 5G technology and explore how to collect data through drones for developing various application solutions for the low-altitude economy, so as to stimulate the innovation and technology potentials of the younger generation, expanding their knowledge and transform their creative thinking into practical solutions for the future.

"In Hong Kong, drone systems have started to be deployed in applications and trials on the low-altitude economy. They generally operate in airspace within an altitude of 1 000 metres and could be used in scenarios such as emergency rescues, logistics, surveys, maintenance, safety inspections and show performances. The low-altitude economy not only activates low-altitude airspace as a new element for economic development, but also drives the development of communications technology, AI, and the digital industry, bringing new experiences of smart living to the public. The current well-developed 5G network of Hong Kong has laid a solid foundation for the development of the low-altitude economy," Mr Leung added.

This year's Competition is co-organised by the Hong Kong Productivity Council (HKPC) and will be held in stages, comprising the Kick-off Ceremony cum Seminar, the 5G x UAS Inspiration Training Workshop, the first-round adjudication, the Drone Operation and Mobile App Development Training Workshop, and the final-round adjudication cum award presentation ceremony. Participating teams are required to design an innovative mobile application and/or relevant prototype to demonstrate how the data collected by drones can be used and integrated with 5G technology for applications in the low-altitude economy so as to achieve at least one of the specific objectives of the Competition, such as enriching campus life, improving learning environment, optimising teaching resources or learning experience, improving nearby community environment or facilities, realising smart living

development in real-life scenarios, and creating economic or social benefits.

The Chief Digital Officer of the HKPC, Mr Edmond Lai, also officiated at the event today. Veteran practitioners of the innovative technology and education sectors were invited to share with students and other participants the latest developments of 5G technology and the low-altitude economy. A representative from the HKPC also briefed the audience about the requirements and points to note of the Competition.

The Competition is supported by the communications sector as well as various educational organisations, including the Communications Association of Hong Kong, the Association of I.T. Leaders in Education, the Hong Kong Association for Computer Education, the Hong Kong Competence Education Foundation, the Association of Hong Kong Chinese Middle Schools, the Hong Kong Computer Society, the Hong Kong Federation of Education Workers and the Hong Kong STEM Education Alliance.

The Competition is open to secondary students. The deadline of registration is May 30. Participants should take part as a school team consisting of three to five students and a teacher as team leader. To enrol in and learn more about the Competition, please visit [OFCA's website](#).

