

**Free Webinar on Science and Technology Development in  
October 2021  
Four Experts on Expert**

The future of scientific innovation development is exciting, not only because of the world-renowned Hong Kong science researchers' remarkable achievements, but also the National 14th Five-Year Plan indicates clearly that the Central Government supports Hong Kong to develop as an international I&T hub. Under this encouraging situation, the Hong Kong Academy of Sciences (ASHK) will aim at arousing the public interest of the scientific innovation trend via widespread dissemination of knowledge and experience sharing.

The InnoCarnival 2021, organised by the Innovation and Technology Commission, will take place from 23 to 31 October 2021. The program of InnoCarnival includes exhibition, game booths, series of online talks and workshops. ASHK will conduct 4 interesting talks, speakers are the ASHK founding member Professor Kwok-Yung YUEN, ASHK member Professor Anthony YEH, the Hong Kong Young Academy of Science (YASHK) founding member Professor Amos TAI, and Professor Jensen LI from School of Science, the Hong Kong University of Science and Technology. Those who are interested in attending the talks can register online.

Professor Kwok-Yung YUEN will elaborate the research findings on epidemiological control and clinical management on SARS and COVID-19, two major pandemics over the last two decades. Professor Anthony YEH will give a presentation on the application of big data in urban planning in Hong Kong. Professor Amos TAI will present and discuss how the latest scientific and technological development contribute to sustainability that concerns our future. Professor Jensen LI will share the application of 'Metamaterials', a newly developed nanofabrication that can make objects invisible.

Talks are listed in chronological order:

Date & Time	Topic	Speaker
23/10/2021 15:00-16:00	Saving the Planet with Science and Technology	Professor Amos TAI
24/10/2021 10:00 - 11:00	From invisibility cloaks to metalenses	Professor Jensen LI
25/10/2021 10:00-11:00	From SARS to COVID-19	Professor Kwok-Yung YUEN
27/10/2021 11:00-12:00	Big Data in Urban Planning	Professor Anthony YEH

There will be Q&A sections during the talks. Intending participants can register via [Virtual InnoCarnival 2021 official website](#) or scan the QR code below.



In addition, for the purpose of assisting the public to know more about the scientific innovation trend, the [ASHK website](#) added “Science & Tech News” column recently. Interesting and important worldwide tech news will be posted under the column. Readers can reach the page by clicking the “Science and Tech News”, which appears on the website navigation bar, or scan the QR code below.



**Webinars brief introduction**

**1. Saving the Planet with Science and Technology**

**Speaker: Professor Amos TAI**

Founding Member, The Hong Kong Young Academy of Sciences

Associate Professor

Earth System Science Programme

Faculty of Science

The Chinese University of Hong Kong



Brief introduction: Professor TAI will present and discuss how the latest scientific and technological development will contribute to sustainability thinking that concern our future. Discussion will cover knowledge and skills from different disciplines, from physics to biology to the social sciences.

Date: 23 October 2021 (SAT)

Time: 15:00 to 16:00

**2. From invisibility cloaks to metalenses**

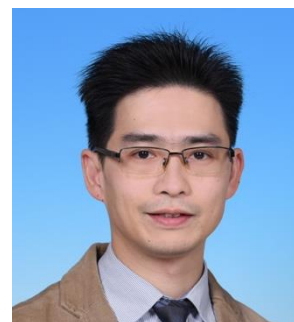
**Speaker: Professor Jensen LI**

Professor

Department of Physics

School of Science

The Hong Kong University of Science and Technology



Brief introduction: Professor LI will share the application of 'Metamaterials', a newly developed nanofabrication that can make objects invisible, that will lead to compact integration and multifunctional lenses to portable applications.

Date: 24 October 2021 (SUN)

Time: 10:00 to 11:00

**3. From SARS to COVID-19**

**Speaker:** Professor Kwok-Yung YUEN

Founding Member of The Hong Kong Academy of Sciences;  
Chair of Infectious Diseases, Department of Microbiology,  
Faculty of Medicine, The University of Hong Kong;  
Co-Director, State Key Laboratory of Emerging Infectious  
Diseases, The University of Hong Kong;  
Member of the expert advisory group of HKSAR Government



Brief introduction: Professor Yuen will present the sequence of events and the research findings from 2003 to 2020 with relevance to epidemiological control and clinical management. The findings cover SARS and COVID-19.

Date: 25 October 2021 (MON)

Time: 10:00 to 11:00

**4. Big Data in Urban Planning**

**Speaker:** Professor Anthony YEH

Member of The Hong Kong Academy of Sciences  
Chan To Haan Professor in Urban Planning and Design  
Chair Professor in Urban Planning and Geographic Information  
Systems  
Department of Urban Planning and Design  
The University of Hong Kong



Brief introduction: Professor YEH will give a sharing on the application of big data on one of the most important issues in Hong Kong, urban planning. Including transport planning, evaluation of plan implementation, planning for sustainable communities and job-housing balance.

Date: 27 October 2021 (WED)

Time: 11:00 to 12:00

### **Photo Description**

ASHK01: Professor Kwok-Yung YUEN, founding member of The Hong Kong Academy of Sciences, will give talk, “From SARS to COVID-19”, in the “InnoCarnival 2021”.

ASHK02: Professor Anthony YEH, member of The Hong Kong Academy of Sciences, will be the speaker in the “InnoCarnival 2021”, the topic is “Big Data in Urban Planning”.

ASHK03: Professor Amos TAI, founding member of The Hong Kong Young Academy of Sciences, will give talk, “Saving the Planet with Science and Technology”, in the “InnoCarnival 2021”.

ASHK04: Professor Jensen LI, professor of Department of Physics, School of Science, The Hong Kong University of Science and Technology, will give talk, “From invisibility cloaks to metalenses”, in “InnoCarnival 2021”.

ASHK05: The public can click “Science & Tech News”(inside the blue frame) on the navigation bar in ASHK website, to know more about interesting and important worldwide tech news.

### **About The Hong Kong Academy of Sciences**

Established in 2015, The Hong Kong Academy of Sciences (ASHK) is committed to promoting the development and advancement of science and technology in Hong Kong, and fostering Hong Kong as a centre of scientific excellence.

The Academy cooperates with organisations with complementary objective, including those in the industrial and commerce sectors to achieve its objectives. It also conducts independent studies relating to public policy in science and technology.

More information about the ASHK is available at

<http://www.ashk.org.hk/>



The above information is released by AsiaNet Communications Limited on behalf of ASHK.

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