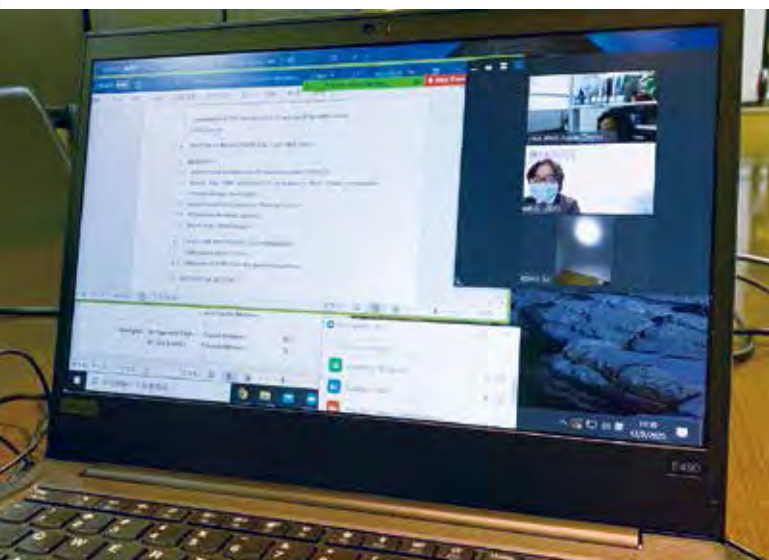




Planning & Development Division
Sr Francis Lam PDD Council Chairman

Updates on the PDD Annual Dinner and Conference 2020

The PDD Council met on 13 August. It reviewed the recent Covid-19 situation and decided to postpone its Annual Dinner and Conference to 2021.



PDD Council Members join the meeting via ZOOM.



Sr Francis Lam (left) and Sr Junior Ho (right) join the ZOOM meeting in HKIS Meeting Room.

PDD CPD Events Conducted in August



Grace shares the latest development of green building standards with us.

The PDD was honoured to invite Ms Grace Kwok to deliver a CPD on the “Latest Developments in Green and Healthy Buildings after Covid-19,” which the PDD and HKIS Green Building Working Group co-organised on 6 August. Grace introduced various innovative solutions to improve indoor environmental quality and shared the latest developments in green building standards in response to Covid-19.

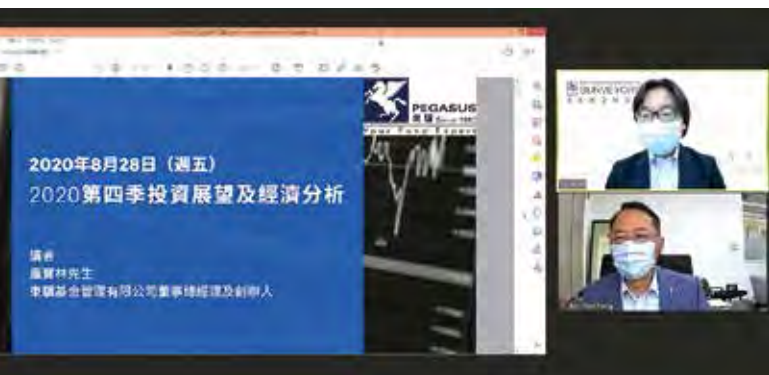
On 26 August, Mr Alvin Lo and Ms Charlene Mo from K11 delivered a CPD, “When Retail Development Meets Craftsmanship Conservation,” by sharing their experiences applying art and culture to K11’s retail spaces. They also shared their work for the K11 Craft & Build Foundation, which aims to preserve traditional craftsmanship and explore the possibility of integrating it with retail projects.



Alvin and Charlene share their experiences in preserving the traditional craftsmanship and incorporating them into the retail development



Paul shares his analysis in the economic outlook



Francis (up) and Paul (bottom) discuss the global economic outlook in the coming quarter.

COVID-19 Challenges and Opportunities for Hong Kong Surveying and Landscape Architecture: Making Hong Kong a Pandemic-Resilient and Healthy City

President Sr Winnie Shiu and Sr Francis Lam were invited to deliver a talk on 10 August at the Joint Institutes Webinar on Covid-19 conducted by the HKIA, HKIS, HKIP, and HKILA. Their topic was “Making Hong Kong a Pandemic-Resilient and Healthy City” and they offered four perspectives – resilient housing, contingency planning in communities, sustainable travel modes, and upgrading public health standards – to make Hong Kong a pandemic-resilient and healthy city.

Before promoting resilient housing, it is important to boost affordable and inclusive housing via transitional housing through the application of MiC technology and inclusive home design. Since crowded conditions can spark disease outbreaks, there is an urgent need to improve ventilation and air-conditioning systems in buildings, so as to enhance air flow and charge rates and, at the same time, reduce indoor temperatures and humidity. It is also time to consider pandemic-resilient toilet designs.

When promoting contingency planning for communities, one can create community solution spaces by encouraging flexible and robust infrastructure to improve each community’s preparedness for disasters/pandemics. Flexible building features/techniques should be applied during the planning and design stages to facilitate the conversion of buildings into disaster/pandemic prevention centres.

Congratulations



Congratulations go to Sr Prof Bo-sin Tang, PDD Council Member, who will be promoted to Interim Head of Department and Professor of the Department of Urban Planning and Design in HKU’s Faculty of Architecture.

In order to upgrade Hong Kong's public health standards, efficient hospitals with sufficient isolation beds and various treatment centres are now essential. Hospitals also need special medical cold storage facilities to protect vaccines from extreme temperatures and such facilities should be carefully located close to the airport and hospitals. Renewable power generated from waste should be explored as part of a green waste management plan. Learning from avian influenza, swine influenza, and Covid-19, along with properly monitoring wet market conditions to minimise the spread of contagions, are essential. Implementing the above measures could help make Hong Kong a pandemic-resilient and healthy city.



Sr Winnie Shiu and Sr Francis Lam join the discussion with the representatives from the Hong Kong Institute of Architects and the Hong Kong Institute of Landscape Architects.



Sr Francis Lam delivers the talk in the HKIS Surveyors Learning Centre.

Joint Institutes Webinar (2)

COVID-19 – Challenges and Opportunities for Hong Kong Surveying and Landscape Architecture

城市疫變 — 挑戰與機遇 — 測量與園境規劃

The COVID-19 pandemic has been affecting the daily lives of people in Hong Kong and around the world. How can the construction related professions work collaboratively in the fight against the pandemic, and help re-shape Hong Kong into a healthy city in future?

Problems of public hygiene and social equity arising out of industrialization gave birth to modern planning and the very profession of landscape architecture. Under the pandemic threat, it calls for reimagination of the functions and integration of our public open space amidst urban planning towards the city's liveability and resilience.

Our speakers from HKIS would share the insights of making Hong Kong a pandemic resilient and healthy city through various urban spatial provisions, building improvements, life-saving facilities and public hygiene upgrade.

Our speakers from HKILA would revisit the role of landscape architecture in the urban environment and explore opportunities of its contribution in the future development of Hong Kong.

10.8.2020 (Monday)
1.00 - 2.30pm

10.8.2020 (Monday)
1.00 - 2.30pm

Online Registration:
<https://forms.gle/HCl6DwJVRdov7e918>

Enquiry: HKIA Secretariat Tel: 2511-6323

Making Hong Kong a Pandemic Resilient and Healthy City

打造香港成為具備防疫韌性的健康城市

Sr Winnie SHIU, President
The Hong Kong Institute of Surveyors (HKIS)
香港測量師學會會長 蕭慧儀測量師

Sr Francis LAM, Chairman
HKIS Planning and Development Division
HKIS Housing Policy Panel
香港測量師學會規劃及發展組主席、房屋政策小組主席
林家輝測量師

Landscape Architecture in Creation of Healthy Cities

打造健康城市的園境設計

Ms Iris HO, President
The Hong Kong Institute of Landscape Architects (HKILA)
香港園境師學會會長 許虹園園境師

Mr Paul CHAN, Vice-President, HKILA
香港園境師學會副會長 陳元敬園境師

Language: Cantonese (with presentation materials in English)

Admission: Open to Members of HKIA, HKIS, HKILA, HKIP, Public and Media (Priority to Members of the 4 Institutes)

Quota: 1,000 Persons.

CPD Hours: 1.5 hours

Registration: Please fill in the **Online Registration Form by 7 August 2020, Friday**, or while quota last. Upon successful registration, a Zoom link will be sent along with the confirmation email.

Online Registration:
<https://forms.gle/HCl6DwJVRdov7e918>

Enquiry: HKIA Secretariat Tel: 2511-6323

Resilient Housing

Recommendation (1): Conducting Timely Sewage Pipe Maintenance

Resilient Housing

Recommendation (2): Boosting Affordable and Inclusive Housing Supply

Figure 1-62: Result of Using Universal Material of Lift. Source: QINT, 2015

Resilient Housing

Challenge: Crowded Conditions Could Spark Contagious Clusters



HKU mechanical engineering study reveals airborne transmission of COVID-19 opportunities in nature and poor indoor ventilation plays a role in transmission.

- The team suggests that airborne transmission of COVID-19 outbreak in the indoor environment is likely when the ventilation rate is less than 3 L/s per person, with a sufficient exposure period.



Source: <https://www.hku.hk/2020/07/20/covid-19-airborne-transmission/>

Recommendations

- Enhance air ventilation in indoor environments;
- Avoid social gatherings in an indoor environment where ventilation is insufficient;
- Install Carbon Dioxide (CO₂) sensors in a room (a concentration of over 1,000 ppm may indicate that the room is not sufficiently ventilated)

Recommendation (3): Rethinking of Pandemic-resilient Toilet Design



Resilient Housing

Community Solution Space

Existing Temporary Hospital & Quarantine Facilities



AsiaWorld-Expo



Lei Yue Mun Park & Holiday Village



Chun Yeung Estate (Block 1, 2 and 3)

and...

- JPC Permanent Activity Centre and Integrated Youth Training Camp
- Sai Kung Outdoor Recreation Centre
- Penny's Bay Quarantine Centre Phase I
- Tso Kung Tam Outdoor Recreation Centre
- Lady MacLehose Holiday Village

Source: CHP, 2020

Community Solution Space

Case Study: Japan's Disaster Management Plans

- Public facilities are designated as disaster prevention sites (e.g. schools, social welfare facilities)
- Officials use cardboard to maintain social distancing during a drill to practice setting up an evacuation center in Mashiki, Kumamoto Prefecture



Typical Signage



Evacuation center allowing proper social distance



CALL FOR INNOVATION:

IMPROVING VENTILATION & AC SYSTEMS IN BUILDINGS



↑ Ventilation Rate

↑ Air Change Rate

↓ Temperature

↓ Humidity

Community Solution Space

Recommendation: Encouraging Flexible and Robust Infrastructure to Improve Community Preparedness for Disaster / Pandemic

- Flexible building features / techniques facilitating the conversion of building to Disaster / Pandemic Prevention Centers could be taken into account during planning and designing process.



Temporary hospital in Wuhan constructed using MC technology



Community or Social Groups



Religious Groups/ Organizations



Schools



Health Facilities



Work Places

Contingency Planning in Community

PUBLIC HEALTH STANDARD UPGRADE

Efficient Hospitals

Types of Isolation Facilities

1. Traditional Isolation Room



2. Hong Kong Infectious Disease Centre
Princess Margaret Hospital



3. Temporary Isolation Room



4. Temporary Hospital



We need more isolation beds and treatment centers of various types!

Special Medical Cold Storage

The Vaccine Cold Chain & Temperature Requirements for Vaccines

- To maintain quality, vaccines must be protected from temperature extremes. Vaccine quality is maintained using a cold chain that meets specific temperature requirements.



Green Waste Management

Waste-to-Energy as a Renewable Power

- Gasification—the process of converting municipal solid waste into feedstock—can produce a thermo-chemical reaction that is then converted into a synthetic gas used as fuel.



Wet Market Management

Wet Markets Breed Contagions...



Avian influenza



Swine influenza



Proper surveying of wet-market hygienic habits is necessary!



COVID-19

To view the material of Sr Francis Lam's presentation, please scan the following QR code or visit <https://bit.ly/35gi7uY>.



“Sr” – The Abbreviation for Surveyor

“Sr” is adopted as the abbreviation for surveyor by The Hong Kong Institute of Surveyors. The pronunciation for “Sr” is “surveyor”.

In order to promote its use to the public, corporate members are encouraged to adopt the abbreviation “Sr” in front of their English names in their official communications. Likewise, corporate members are also invited to address themselves as “測量師” after their Chinese names.

“Sr” – 測量師的英文簡稱

香港測量師學會採納「Sr」作為「Surveyor」（測量師）的英文簡稱。其發音與 Surveyor 相同。

為向公眾宣傳「Sr」的用法，我們鼓勵正式會員在日常生活中，在英文名字之前加上「Sr」。至於中文方面，我們亦會邀請正式會員在其中文字之後加上「測量師」。