

綠化平台 – 走進綠色的創新社區論壇

FORUM ON THE GREEN DECK – INTO THE GREEN AND INNOVATIVE COMMUNITY

講者 Speakers



雷震寰先生 Mr Alex LUI

Mr Alex Lui Chun Wan, a renowned architect and city planner, has always sought to use his expertise for the benefit of society.

After graduating from the Hong Kong Technical College, PolyU's predecessor, and pursued further studies subsequently at The University of Hong Kong and at Massachusetts Institute of Technology, Mr Lui then practiced architecture in the US and Singapore leading many prestigious projects such as the Boston Logan International Airport Master Plan and the Beijing Henderson Centre. After that, he spent most of his professional life in Hong Kong, engaging in private practice and gaining extensive professional experience in planning, building and development projects of all kinds.

In 1998, he retired from private practice to become a Professor at the Chinese University of Hong Kong, teaching architecture, city planning and urban design and to research into a variety of areas ranging from housing to vernacular architecture, and from professional practice to community development and urban design.

On retirement from teaching in 2002, he was invited to join Hysan Development Company Limited as a Senior Advisor responsible to prepare a strategic plan for the redevelopment of the company's real estate portfolio and was involved in the redevelopment of Hysan Place in Causeway Bay. Among the many projects he has engaged in, the more notable ones include the campus of the Hong Kong University of Science and Technology and the award-winning Hong Kong Innovation Center and the Jockey Club Environmental Technology Center, Ma Wan Island Comprehensive Development, Land Development Corporation's (LDC) Centre Street Redevelopment Study and Wanchai Market Redevelopment.

Since 2010, he has been dedicating himself to his alma mater PolyU with his professional insights in education and campus development. He was a member of the PolyU Council and Chairman of its Campus Development Committee, and is currently a member of the PolyU Court and Project Director (Green Deck) of PolyU.

Abstract

The proposed Green Deck, to be built right over the Hung Hom Cross Harbour Tunnel Toll Plaza, would be a unique and innovative social project that will bring long-term benefits to our society.

Besides forming a landscaped park that help to improve the air quality in surrounding environment, it is also anticipated that Green Deck would enhance the pedestrian connectivity among the nearby districts and act as a catalyst for vibrant community.

- A grey environment swamps PolyU campus and nearby neighbourhoods for many years
- PolyU initiate research studies to resolve the problems
- A Green Deck would turn the grey environment into a green urban oasis and a vibrant community
- Community supports are crucial for implementing this innovative social project



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陳恒鏞議員 Hon CHAN Han-pan

Hon. Chan Han Pan, Ben has been elected as a Legislative Councillor since 2012 and was a Tsuen Wan District Council member from 2003 to 2019. While serving the Tsuen Wan District Council, he contributed to the redevelopment of Sai Lau Kok Garden, which has now become an oasis connecting the MTR station and the downtown.

Over the years, he embraces the pragmatic approach to promote policies that benefit to society. He puts his continuous effort in advocate for policy and legislative enhancements towards transport, social welfare, Chinese medicine, and elderly services. He is currently serves as chair of LegCo Panel on Transport and was the Chairman of Panel on Welfare Services, Subcommittee on Matters Relating to Railways, Subcommittee on Increasing the Provision of Residential Care Places for the Elderly and Subcommittee on Issues Relating to the Development of Chinese Medicine, etc.

In addition to social services, he is also engaged in engineering studies. He received a bachelor's degree in mechanical engineering, a master's degree in materials engineering from HKUST and a PhD in political science from Tsinghua University.

Abstract

The stagnant growth of TST East and Hung Hom in recent years, is largely related to the separation of commercial, cultural, tertiary education and residential areas in the districts by the Hung Hom Cross Harbour Tunnel. With the opportunities brought by the MTR east rail line extension to Admiralty and the implementation of free flow toll scheme, will bring a revolutionary turn to people's travel patterns and the application of nearby spaces.

DAB Legislative Council member Chan Han-pan, Ben, the chairman of the LegCo Panel on Transport, will discuss how improving the community facilities can add value to the community and drive the economic development from the aspects of connectivity and accessibility.



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李玉國教授 Prof. LI Yuguo

Prof. Yuguo Li is a Chair Professor of Building Environment at Department of Mechanical Engineering, The University of Hong Kong. Prof. Li was a Principal Research Scientist and the team leader of indoor environments at CSIRO Australia prior to 2000. He studied at Shanghai Jiaotong University, Tsinghua University and Royal Institute of Technology, Sweden. His current research topics include city climate, environment studies of infection and indoor environment. He led three collaborative research grants in Hong Kong with one on ventilating a high-rise compact city and another on spread of virus in a large city. His work led to the findings of the roles played by airflow in the 2003 Amoy Gardens SARS outbreak. Since early 2020, he has collaborated with Hong Kong Governmental departments, Guangdong CDC, Hunan CDC, and WHO, and redefined the transmission routes of respiratory infection in buildings. He is a member of the WHO IPC GDG and WHO Environment and Engineering Control Expert Advisory Panel (ECAP) for COVID-19. Currently, he serves as co-chair of the Working Group for the WHO-led global technical consultation on the transmission of respiratory pathogens through the air.

Abstract

As the most populous area in one of the densest global cities, Kowloon has been studied for urban heat/moisture island, air pollution and wind weakening. The additional increase of 1 oC urban warming and 1 g/m³ moisture in Kowloon has probably pushed 5-10% increase in cooling energy consumption in all buildings. Cities are both a cause and a solution of global crisis in biodiversity and climate. No city solution, no global sustainability. What is the synergy with nature at city scale? It is probably not just planting some trees for eyes, but following nature's way in its design, function, and growth. We now design building climate, but much less for cities. I shall share our findings of the laws of physics for how buildings interact in a city, and how cities and surroundings interact, which shed lights into how city-scale greening might be done.



吳恩融教授 Prof. Edward NG

Prof. Edward Ng is an architect and Yao Ling Sun Professor of Architecture in the School of Architecture of the Chinese University of Hong Kong. He specializes in Green Building, Environmental and Sustainable Design, and Urban Climatology for City Planning. As an environmental consultant to the Government of the Hong Kong Special Administrative Region, Prof. Ng developed the performance-based daylight design practice note, the Air Ventilation Assessment Technical Guidelines and the Urban Climatic Maps for City Planning. He has been working with the governments and agencies in Singapore and Macau, as well as a number of Chinese cities, on Urban Climatic Maps. Lately, Prof. Ng has focused his research on the future climate and its impact to our older population. Prof. Ng has published over 500 papers and 3 books. He has twice received the International Award from the Royal Institute of British Architects (RIBA). He is an Asian of the Year 2011 of Reader's Digest, and a recipient of Red Cross (HK) Humanity Award 2010.

Abstract

Climate Change means that there will be more intense, more frequent, and longer heat waves. It is expected that the number of very hot days in Hong Kong will increase to over 100 days a year. Prolonged heat waves bring higher heat-stress-related mortality and can affect our psychological well-being. Creating green-blue cool spots in the urban living environment of our high-density city is a necessary mitigation measure. Well-designed green-blue cool spots can reduce the ambient air temperature by 2 to 3 degree C. In addition, trees providing shading, green walls, and cool materials can reduce the radiant temperature by 20 to 40 degree C. Apart from introducing some basic concepts of green-blue spots, the forum will highlight the spatial needs and the design of these green-blue cool spots. The forum will also point to the importance of providing green-blue cool spots for our older population's enjoyment.



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余遠騁博士 Dr William YU

Dr William Yu is the Founder and Chief Executive Officer of World Green Organisation. He is an energy economist and climate professional by training and completed his PhD at the University of Cambridge. He earned an Executive MBA from the Thunderbird Global Management School, U.S.. Dr Yu also completed a Sustainable Finance Programme at Cambridge and Impact Measurement and Management for the UN SDGs at Duke.

Dr Yu is ESNB Task Force Member, The Economic and Social Commission for Asia and the Pacific, the United Nations and the Vice-Chair of Asia Pacific Business Forum (APBF) of the United Nations ESNB 2022. He is also the subcommittee in Advisory Council on the Environment (ACE), Environment and Ecology Bureau and other committee members in different civil services and organizations.

Dr Yu is also Advisor on Certified ESG Planner (CEP) qualification and Certified China Carbon Trader of Shanghai Environment Energy Exchange, advises investment banks and several public accounting firms on Forestry Carbon Credit Projects, Valuation of Carbon Assets and Carbon Trading.

Abstract

- Grey Infrastructure : Challenges of Climate disasters
- Green Infrastructure : Climate Resilience features
- Resilience Investment : Catastrophe Bonds
- Risk Sharing and Public Engagement

