Development vs Conservation: Is Engineering a Solution?
Saturday, 5 December 2015
Chiang Chen Studio Theatre, The Hong Kong Polytechnic University
INTRODUCTION

Hong Kong, like other metropolitan cities, is developing by leaps and bounds over the decades. Rapid regional development provides an impetus to cross-boundary linkage and connectivity. Infrastructures and housing are put in place in an unprecedented momentum. While fast societal development is a sign for prosperity, it is criticized as an enemy to environmental conservation. The dilemma of development versus conservation has long been a controversial issue in the engineering profession around the world.

Engineers take the pivotal role of mobilizing natural resources for raising the living standard of human beings. Under the theme of sustainable development, engineers put forward practical engineering solutions to balance social, economic and environmental developments. Today, environmental sustainability is a key consideration in formulating government policies and implementing engineering projects. This aims to conserve our precious natural capital in parallel with societal development. Trendy moves like low carbon construction, energy efficient production, pollution free transportation, environmentally friendly land and housing supply play a dominant part in the engineering practice including planning, design and construction.

This one-day Symposium is the highlight event for celebrating the 20th Anniversary of the Hong Kong Polytechnic University Civil and Environmental Engineering Alumni Association (PolyU CEEAA). In collaboration with the PolyU Civil and Environmental Engineering Department, a theme of “Development vs Conservation: Is Engineering a Solution?” is adopted to tally with the focus of these two co-organizers. This Symposium brings together various stakeholders including government, project developers, consultants, academics and research institutions and engineering experts to explore the role of engineering in resolving the dilemma of balancing development against conservation.

The Symposium consists keynote speeches by top government officials, academic and legislative councilor. Prominent speakers are invited to discuss the role of engineering in a wide spectrum of projects ranging from public housing and infrastructure development, strategic planning and development as well as eco-friendly innovation.

ORGANIZING COMMITTEE

Chairman: Ir LAU Tai Wai, David
Members: Ir Professor LAM Cheuk-fung, Mr CHAM Yui Kei, Rex
Professor CHAU Kwok-wing, Mr CHEUNG Shiu-kwok, Andy
Mr HUANG Guangzong, Edwin, Ir Dr Eddie LAM Siu-shu
Ir LEE Shiu Ming, Richard, Mr LO Chi Leung, Tony
Ir POON Ying Kok, Ir YAU Kwok-fai
Ms YIU Sze Nga, Nicole
SUPPORTING ORGANIZATIONS

- Business Environment Council
- Chartered Institution of Water and Environmental Management - Hong Kong Branch
- Civil and Environmental Engineering Students' Society, The Hong Kong Polytechnic University
- Consulate General of Canada in Hong Kong
- Council for Sustainable Development
- Department of Civil Engineering, The University of Hong Kong
- Department of Civil & Environmental Engineering, The Hong Kong University of Science and Technology
- Faculty of Science & Technology, THEi
- Federation of the Hong Kong Polytechnic University Alumni Associations Ltd
- Green Council
- Hong Kong Construction Association
- Hong Kong Green Building Council
- Hong Kong Green Strategy Alliance
- Hong Kong Science and Technology Parks Corporation
- Institution of Mechanical Engineers - Hong Kong Branch
- Netherlands Consulate General in Hong Kong SAR and Macao SAR China
- Society of Operation Engineers, Hong Kong
- The HKIE Environmental Division
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:45 - 9:00am</td>
<td>Registration</td>
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<tr>
<td>9:00 - 9:05am</td>
<td>Welcome Remarks</td>
<td>Ir Professor Cheuk-fung Lam, President Civil and Environmental Engineering Alumni Association (CEEEA), The Hong Kong Polytechnic University</td>
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<tr>
<td>9:05 - 9:45am</td>
<td>Key Note Speeches</td>
<td>Ms Christine Loh, JP, Under Secretary for the Environment Ir Eric Siu-cheung Ma, JP, Under Secretary for Development The Government of the HKSAR</td>
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<tr>
<td>9:45 - 10:05am</td>
<td>Key Note Speeches</td>
<td>Fellow Engineers, Are We Problems or Solutions? Ir Dr Hon Lo Wai-kwok, BBS, MH, JP Legislative Councillor (Engineering Functional Constituency), HKSAR</td>
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<td>10:05 - 10:25am</td>
<td>Key Note Speeches</td>
<td>Green Transport System for Sustainable Development in Hong Kong Ir Professor William Lam, Chair Professor of Civil &amp; Transportation and Head Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University</td>
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<td>10:25 - 10:45am</td>
<td>Coffee Break</td>
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<tr>
<td>10:45 - 11:05am</td>
<td>Session I : Housing and Infrastructure</td>
<td>Development for People with Nature And Conservation In Mind : The HK Housing Authority's Experience Ms Ada Y S Fung, JP, Deputy Director of Housing (Development &amp; Construction), HK Housing Authority</td>
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<td>11:05 - 11:25am</td>
<td>Session I : Housing and Infrastructure</td>
<td>Development and Upkeep of a Green Airport Ir John Chai, SBS, Executive Director, Engineering &amp; Technology, Airport Authority Hong Kong</td>
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<td>11:25 - 11:45am</td>
<td>Session I : Housing and Infrastructure</td>
<td>Heritage Conservation and Railway Development – A Unique Blending Ir Richard Kwan, Environment Manager, MTR Corporation Ltd</td>
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<td>11:45 - 12:05pm</td>
<td>Session I : Housing and Infrastructure</td>
<td>Discussion</td>
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<td>12:05 - 1:45pm</td>
<td>Lunch Break</td>
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<td>1:45 - 2:05pm</td>
<td>Session II : Strategic Planning and Development</td>
<td>Balancing Aspirations for Development and Conservation – Planners' Effort in Protecting the Country Park Enclaves Mr K K Ling, Director, Planning Department, The Government of the HKSAR</td>
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<td>2:05 - 2:25pm</td>
<td>Session II : Strategic Planning and Development</td>
<td>Developing Smart Cities – The Conflict between Development and Conservation Dr Thomas S K Tang, Director, Corp Sustainability, Asia, AECOM</td>
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<td>2:25 - 2:45pm</td>
<td>Session II : Strategic Planning and Development</td>
<td>Green Building: Bridging Development and Conservation Ir Conrad Wong, Vice Chairman, Yau Lee Holdings Ltd</td>
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<td>2:45 - 3:05pm</td>
<td>Session II : Strategic Planning and Development</td>
<td>Discussion</td>
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<tr>
<td>3:05 - 3:20pm</td>
<td>Session II : Strategic Planning and Development</td>
<td>Coffee Break</td>
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<td>3:20 - 3:40pm</td>
<td>Session III : Eco-Friendly Innovation</td>
<td>The Development and Sustainability of a Heritage Conservation Project - Jao Tsung-I Academy Mr Mike Lai, Chief Executive Officer, Jao Tsung-I Academy</td>
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<td>3:40 - 4:00pm</td>
<td>Session III : Eco-Friendly Innovation</td>
<td>Carbon Footprint for Steel-Composite and Reinforced Concrete Buildings Mr Julian Lee, Manager – Research, Construction Industry Council</td>
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<td>4:00 - 4:20pm</td>
<td>Session III : Eco-Friendly Innovation</td>
<td>Getting out of the BIM Silos Mr David Fung, Chairman, The Hong Kong Institute of Building Information Modelling (HKIBIM)</td>
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<td>4:20 - 4:40pm</td>
<td>Session III : Eco-Friendly Innovation</td>
<td>Discussion</td>
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<td>4:40 - 5:00pm</td>
<td>Session III : Eco-Friendly Innovation</td>
<td>Closing Remarks Ir David Lau, Chairman of the Organizing Committee</td>
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REGISTRATION FORM

CEEAA 20th Anniversary Symposium
“Development vs Conservation: Is Engineering a Solution?”
Saturday, 5 December 2015 (9:00am – 5:00pm)
Chiang Chen Studio Theatre, The Hong Kong Polytechnic University

Co-organizers:
Civil and Environmental Engineering Alumni Association (CEEAA) and
Department of Civil and Environmental Engineering
The Hong Kong Polytechnic University

Name: (Ir/Prof/Dr/Mr/Ms) ____________________________________________
(First Name)          (Surname)

Company: ___________________________________________ Position: ____________________________

Tel: __________________________ Email: _________________________________________________

Registration Fee
Registration (please "√" as appropriate)

Early-Bird Registration (on or before 5 Nov 2015)
Cardholders of the Federation of PolyU Alumni Associations and Supporting Organizations
$750 (    )
Others
$800 (    )

Full Registration (after 5 Nov 2015)
Cardholders of the Federation of PolyU Alumni Associations and Supporting Organizations
$950 (    )
Others
$1,000 (    )

# Full-time Students
$150 (    )

Remarks:
- The fee includes a copy of Symposium proceedings and coffee breaks. Lunch is not included.
- Cancellation will be accepted only in writing via email or fax, no later than two weeks before the function commences, and only 50% of registration fee will be refunded.
- # Seats are limited (first-come-first-served). A copy of Student Card must be presented together with the registration form.

Payment:
I enclose a crossed cheque no ______________ for the amount of HK$____________ payable to "Centre for Research & Professional Development".

Please complete the form and return it together with appropriate payment to the Symposium Secretariat,
c/o Centre for Research & Professional Development
Office A 12/F Billion Plaza 2, 10 Cheung Yue Street, Kowloon, Hong Kong
Tel: 2796 1638 ; Fax: 2104 0052 ; Email: info@crpd-hk.com