WORLD Sustainable Built Environment Conference

2017 Hong Kong

Transforming Our Built Environment through Innovation and Integration: Putting Ideas into Action

Date: 5-7 June 2017 (Mon-Wed)
Venue: Hong Kong Convention and Exhibition Centre

www.wsbe17hongkong.hk
WSBE17 Hong Kong: THE MOST INFLUENTIAL GREEN BUILDING MEGA EVENT

The Construction Industry Council and the Hong Kong Green Building Council jointly invite you to participate at the World Sustainable Built Environment Conference 2017 Hong Kong (WSBE17 Hong Kong) on 5-7 June 2017.

Pre-eminent Conference Series

The Sustainable Built Environment (SBE) series began in 2000 and is now the pre-eminent international conference series on sustainable building and construction. The series operates on a three-year cycle with planning in year one, regional conferences in year two and a global conference in year three. Albeit strong competition, Hong Kong won the hosting right of the 2015-2017 cycle global conference, which will conclude the conference cycle by embracing all the top findings from the 20 regional conferences held in 2016.

Past Editions of World SBE Conferences


Convergence of top ideas and discussions in 2016 Regional SBE Conference Series

About WSBE17 Hong Kong

With the theme of Transforming Our Built Environment through Innovation and Integration: Putting Ideas into Action, WSBE17 Hong Kong will bring together 1,800 green building advocates, policy-makers, academics, and industry practitioners from 50 countries. The three-day event includes conference sessions with top-notch speakers, and around 100 parallel sessions, with an exhibition alongside.

About the Organisers

The Construction Industry Council (CIC) was formed in 2007 under the Construction Industry Council Ordinance (Cap. 587). The CIC consists of a chairman and 24 members representing various sectors of the industry including employers, professionals, academics, contractors, workers, independent persons and Government officials.

The main functions of the CIC are to forge consensus on long-term strategic issues, convey the industry’s needs and aspirations to Government, provide training and registration for the construction workforce and serve as a communication channel for Government to solicit advice on all construction-related matters.

The Hong Kong Green Building Council (HKGBC) is a non-profit, member led organisation established in 2009 with the vision to help save the planet and improve the wellbeing of the people of Hong Kong by transforming the city into a greener built environment. The Founding Members of the HKGBC include the Construction Industry Council (CIC), the Business Environment Council (BEC), the BEAM Society Limited (BSL) and the Professional Green Building Council (PGBC). Its mission is to lead market transformation by advocating green policies to the Government; introducing green building practices to all stakeholders; setting design, construction and management standards for the building profession; and promoting green living to the people of Hong Kong.

Benefits of Attending

Meet over 1,800 top-notch global green building experts from 50 countries

Discover cutting edge findings from over 100 sessions

Gain market insights from over 400 distinguished speakers

Learn the latest products and solutions from around the world

Explore the Fast Growing Asian Markets, especially Mainland China

Appreciate the city development and natural beauty of high density Hong Kong
PLENARY SESSIONS

Guests of Honour

Hon. LEUNG Chun-ying
Chief Executive, Hong Kong Special Administrative Region

Dr QIU Baoxing
Representative of The Ministry of Housing and Urban-Rural Development & Coordination of Counsellor’s Office of the State Council of the PRC

Keynote Speakers

Mr Matthew CHEUNG Kin-chung
Chief Secretary for Administration, Government of the HKSAR

Mr SU Yunshan
Director-General, Department of Science & Technology and Energy Saving on Buildings, Ministry of Housing and Urban-Rural Development, PRC

Ms Christiana FIGUERES
Vice-chair, Global Champion of Mayors for the Climate and Energy

Prof. Peter GUTHRIE
Director, Centre for Sustainable Development, University of Cambridge

Prof. Thomas AUER
Managing Director, TRANSER: Professor, Building Technology and Climate Responsive Design, TUM

Dr Raymond COLE
Professor, School of Architecture and Landscape Architecture, University of British Columbia

Climate Change and Sustainable Development

Session Chair

Mr Curt GARRIGAN
Chief Building Program Manager, UN Environment – Economy Division

Speakers

Mr WONG Kam-sing
Secretary for the Environment, Government of the HKSAR

Ms Christiana FIGUERES
Vice-chair, Global Champion of Mayors for the Climate and Energy

Mr John DULAC
Energy Technology Policy Building Director, United Nations International Energy Agency

Mr NILS LARSSON
Executive Director, International Initiative for a Sustainable Built Environment

Mr Pekka HUOVILA
Founder, School of Sustainable Buildings and Construction BSc Programme

Mr Christine LOH
Under Secretary for the Environment, Government of the HKSAR

Roundtable 1 - Emerging Perspectives for Transforming the Build Environment

Session Chair

Prof. Thomas LÜTZKENDORF
Director, Centre for Real Estate, Head of Chair, Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology

Speakers

Ar. TAI Lee-siang
Chairman, WorldGBC

Prof. Serge SALAT
President, Urban Morphology and Complex Systems Institute

Prof. Arno SCHLUETER
Professor, Architecture and Building Systems, ETH Zurich; Principal Investigator, Future Cities Laboratory, Singapore ETH Centre

Ar. Bryant LU
Vice Chairman, Royal United

Prof. Greg FOLIENTE
Professorial Fellow, The University of Melbourne; Founder and Director, Blue Print Ltd.

Mr John DULAC
Energy Technology Policy Building Director, United Nations International Energy Agency

Ms Christiana LOH
Under Secretary for the Environment, Government of the HKSAR

Roundtable 2 - Leadership Driving for the Sustainable Built Environment

Session Chair

Ms Christine LOH
Under Secretary for the Environment, Government of the HKSAR

Speakers

Dr. GEORGE BAIRD
Director and Managing Director, Whistler Building and Company Ltd.

Dr. George BAIRD
Emeritus Professor of Building Science, School of Architecture, Victoria University of Wellington

Mr Douglas WOO
Chairman, LEED Hong Kong

Mr Lincoln LEONG
Chief Executive Officer, WSP Corporation

Mr TAN Tian-chong
Deputy Managing Director, Building and Construction Authority

Mr Lincoln LEONG
Chief Executive Officer, WSP Corporation

Mr Nils LARSSON
Executive Director, International Initiative for a Sustainable Built Environment

Mr Christine LOH
Under Secretary for the Environment, Government of the HKSAR

Mr TAN Tian-chong
Deputy Managing Director, Building and Construction Authority

Mr Nils LARSSON
Executive Director, International Initiative for a Sustainable Built Environment

Mr Christine LOH
Under Secretary for the Environment, Government of the HKSAR
CONFERENCE PROGRAMME

Day 1 • 5 June 2017 (Mon)

08:00 - 09:00 Registration

09:00 - 10:00 Opening Ceremony

Guests of Honour:
1. Hon. LEUNG Chun-ying, Chief Executive, Hong Kong Special Administrative Region
2. Dr GIU Backing, Representative of The Ministry of Housing and Urban-Rural Development & Counsellor of Counsellor's Office of the State Council of the PRC

Officiating Guests:
1. Mr Matthew CHEUNG Kin-chung, Chief Secretary for Administration, Government of the HKSAR
2. Mr Eric MA, Secretary for Development, Government of the HKSAR
3. Mr WONG Kam-sing, Secretary for the Environment, Government of the HKSAR
4. Ir Conrad WONG, Chairman, WSBE17 Hong Kong Organising Committee
5. Mr Nils LARSSON, Representative from the International Co-owners of the Sustainable Built Environment Conference Series
6. Sr CHAN Ka-kui, Chairman, Construction Industry Council
7. Sr BYE WONG, Chairman, Hong Kong Green Building Council

10:00 - 10:30 Keynote 1: Mr Matthew CHEUNG Kin-chung, Chief Secretary for Administration, Government of the HKSAR

10:30 - 11:00 Keynote 2: Mr SU Yuen-shen, Director-General, Department of Science & Technology and Energy Saving on Buildings, Ministry of Housing and Urban-Rural Development, PRC

11:00 - 11:20 Coffee Break

11:20 - 11:50 Keynote 3: Ms Christiana FIGUERES, Voo-chair, Global Covenant of Mayors for Climate & Energy

11:50 - 12:00 Platinum Sponsor’s Sharing - Mr Sean CHIAO, President, Asia Pacific, AECOM

12:00 - 13:30 Networking Luncheon

13:30 - 15:00 Parallel Session 1

1.1 Mainland China Session - The Comprehensive Scheme on Green Planning and Performance Enhancement of the Existing Buildings in China
1.2 Regional Session - Czech Republic, Ireland, Italy, Switzerland
1.3 Advanced Building Elements
1.4 Practices Review of High-Performance Green Buildings
1.5 SBE Assessments - Green Neighbourhoods (1)
1.6 Innovations Driving for Greener Policies Standards - Microclimate
1.7 Vision-lead Development: Myths and Myths
1.8 Practices & Methodologies for Green Building Management (1)
1.9 Practices & Methodologies for Green Building Management (2)
1.10 Green Infrastructure in SBE - Hong Kong Cases
1.11 Processes, Design, Tools and Methodologies in SBE (1)
1.12 Regenerating Urban Space in Neighbourhoods
1.13 To be announced

15:00 - 15:20 Coffee Break

15:20 - 16:20 Roundtable 1: Emerging Perspectives for Transforming the Build Environment

Session Chair:
Prof. Thomas LÜTZKENDORF, Director, Centre for Real Estate; Head of Chair, Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology

Speakers:
1. Ar. TAI Lee-siang, Chair, WorldGBC
2. Prof. Serge SALAT, President, Urban Morphology and Complex Systems Institute
3. Prof. Arno SCHLUETER, Professor, Architecture and Building Systems ETH Zurich; Principal Investigator, Future Cities Laboratory, Singapore ETH Centre
4. Ar. Bernard LU, Vice Chairman, Ronald Lu and Partners

16:30 - 18:00 Parallel Session 2

2.1 Mainland China Session - Design and Construction Challenges of Eco-Styrouscrapers in China
2.2 Regional Session - Turkey, Greece, Malta, Egypt, UAE
2.3 Advanced Building Systems
2.4 Practices for High-Performance Green Buildings (1)
2.5 SBE Assessments - Green Neighbourhoods (2)
2.6 Innovations Driving for Greener Policies Standards - Carbon Assessment
2.7 To be announced
2.8 Innovations for Occupant Wellbeing (2)
2.9 Practices & Methodologies for Green Building Management (2)
2.10 Transforming SBE Practices - Energy Management (1)
2.11 Processes, Design, Tools and Methodologies in SBE (2)
2.12 Processes of Urban Regeneration
2.13 Power Up Smart City
2.14 Sustainability Assessment of Buildings as Part of Green-Public Procurement Based on the German BMBF System

Day 2 • 6 June 2017 (Tue)

08:00 - 09:00 Registration

09:00 - 10:10 Plenary Session on Climate Change and Sustainable Development

Session Chair:
Mr Curt GARRIGAN, Cities and Buildings Programme Manager, UN Environment – Economy Division

Speakers:
1. Mr WONG Kam-sing, Secretary for the Environment, Government of the HKSAR
2. Ms Christiana FIGUERES, Voo-chair, Global Covenant of Mayors for Climate & Energy
4. Mr Nils LARSSON, Executive Director, International Initiative for a Sustainable Built Environment
5. Mr Polkka HUOVILA, Coordinator, The 10YFP Programme on Sustainable Buildings and Construction
6. Ms Christine LOH, Under Secretary for the Environment, Government of the HKSAR

11:50 - 12:00 Platinum Sponsor’s Sharing - Dr Raymond YAU, General Manager, Technical Services & Sustainable Development, Swire Properties Ltd.

12:00 - 13:30 Lunch Break

13:30 - 15:00 Parallel Session 3

3.1 Mainland China Session - The Development of Low-Carbon Economy, Green Finance and Investment Opportunities in China
3.2 International Youth Competition (1)
3.3 Advanced Building Systems - Energy Generation (1)
3.4 Policies for High-Performance Green Buildings (2)
3.5 Performance Review of Green Buildings (1)
3.6 Innovations Driving for Greener Policies Standards - Practices Review
3.7 High Performance Transportation Hubs: Myth or Matter?
3.8 Innovative Practices for Occupant Wellbeing - Stockmatic Design
3.9 Practices & Methodologies for Green Building Management (3)
3.10 Transforming SBE Practices - Energy Management (2)
3.11 BMI for Sustainability (1)
3.12 Emerging Practices in Sustainable Built Environment
3.13 Community Empowerment (1)
3.14 Environmentally Responsive Buildings and Human Interactions

15:00 - 15:20 Coffee Break

15:20 - 16:20 Roundtable 2: Leadership Driving for the Sustainable Built Environment

Session Chair:
Ms Christiana LOH, Under Secretary for the Environment, Government of the HKSAR

Speakers:
1. Dr George BAIRD, Emeritus Professor of Building Science, School of Architecture, Victoria University of Wellington
2. Mr Douglas WOO, Chairman & Managing Director, Wheelock and Company Ltd.
3. Prof. Greg POLIENTE, Professorial Fellow, The University of Melbourne; Founder and Director, Blue Pty Ltd.
4. Mr TAN Tian-chong, Deputy Managing Director, Built Environment Research and Innovation Institute, Building and Construction Authority
5. Mr Lincoln LEONG, Chief Executive Officer, MTR Corporation

16:30 - 18:00 Parallel Session 4

4.1 Mainland China Session - The Comprehensive Assessment Scheme and Professional Practices of Healthy Green Buildings in China
4.2 International Youth Competition (2)
4.3 Advanced Building Systems - Energy Generation (2)
4.4 Innovations Driving for High-Performance Green Buildings
4.5 Performance Review of Green Buildings (2)
4.6 Green Construction Technologies (1)
4.7 To be announced
4.8 Innovative BIM for Sustainability
4.9 To be announced
4.10 Transforming SBE Practices - Energy Management (3)
4.11 BMI for Sustainability (2)
4.12 Healthy Building, Human Comfort & Wellbeing
4.13 Community Empowerment (2)
4.14 Plywood Deck: A Catalyst for a Green and Vibrant Community
## Conference Programme

### Day 3 • 7 June 2017 (Wed)

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<td>09:00 - 09:30</td>
<td>Keynote 4: Prof. Peter GUTHRIE, Director, Centre for Sustainable Development, University of Cambridge</td>
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<td>09:30 - 10:00</td>
<td>Keynote 5: Prof. Thomas AUER, Managing Director, Transsolar; Professor, Building Technology and Climate Responsive Design, Technical University of Munich</td>
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<td>Parallel Session 7</td>
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<td>16:50 - 17:20</td>
<td>Keynote 6: Dr Raymond COLE, Professor, School of Architecture and Landscape Architecture, University of British Columbia</td>
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<td>17:20 - 18:00</td>
<td>Closing Ceremony</td>
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**Remark:** The Organisers reserve the right to update or change the programme content, session and paper allocation without prior notice. Paper authors are recommended to check constantly the Conference Website to observe the latest programme and allocation of papers.
Day 1 • 5 June 2017 (Mon) • Parallel Session 2 • 16:30 - 18:00

Session 2.1 - Session Organiser: Shanghai Research Institute of Building Sciences
Mainland China Session - Design and Construction Challenges of Eco-Scyscrapers in China
Session details to be announced.

Session 2.2 - Regional Session: Turkey, Greece, Malta, Egypt, UAE
Session Chair: Vetur LAU, Green Interior Renovation by Architectural Services Department
Investigating Critical Safety Performance Factors in Green Building Construction
Daniel NG, Senior Project Manager, Architectural Services Department, Government of the Republic of Continental Greece

Session 2.3 - Advanced Building Systems
Green Building Management (2)
Practices & Methodologies for Green Neighbourhoods (2)

Session 2.4 - Policies for High-Performance Green Buildings (1)
Demystifying and Demonstrating The Energy Use Conversation to Support The Net-Zero Challenge
Mike WILLIAMS, Assistant Professor, Division of Environment, The Netherlands

Session 2.5 - SBE Assessments - Green Neighbourhoods (2)
Value Management as a Tool for Delivering Sustainable Rail Projects
TabassumIslam ASHKARA, University of Jamshoro, Pakistan

Session 2.6 - Driving Innovations for Greener Policies and Standards - Carbon Assessment
Building Life Cycle Carbon Emissions: A Review
How Standardised ‘carbon metrics’ Can Facilitate Innovation for Reduction of GHG Emissions from Existing Buildings

Session 2.7 - Session details to be announced.

Session 2.8 - Innovations for Occupant Wellbeing (2)
Outdoor to Indoor Air Quality in Urban Environment
Hongshan GUO, Professor, Division of Environment, The Hong Kong University of Science and Technology, Hong Kong SAR

Session 2.9 - Practices & Methodologies for Green Building Management (2)
Green + Smart Buildings

Session 2.10 - Transforming SBE Practices - Energy Management (1)
Development of an Integrated Energy Simulation Tool for Buildings and MEP Systems, the BEST - A Pilot Study on Simulation of Demand Response with Coproduction of Renewable Heat and Electrical Energy
Takeshi SASE, Building Research Institute, Japan

Session 2.11 - Processes, Design, Tools, and Methodologies in SBE (2)
Decarbonising the net-zero Energy Building Policy: Benchmarking Australian Practices Against Asia Pacific

Session 2.12 - Processes of Urban Regeneration
Energy Benchmarking Tool for Low-Carbon Transformation in Hong Kong: A Scientific Approach to Practical Applications

Session 2.13 - Session Organiser: CLP Power Development Co. Ltd.
Power Up Smart City
Session details to be announced.

Session 2.14 - Session Organiser: Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR), Germany
Sustainable Assessment of Buildings as Part of Green-Public Procurement Based on the German BNB-System
Session Chair: Thomas LOTZKENDORF, Director, Centre for Real Estate and Head of Chair, Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology, Germany

Panel Discussion
Session 3.1 - Session Organiser: Shenzhen Green Building Association and Shenzhen Institute of Building Research
Mainland China Session - The Development of Low-Carbon Economy, Green Finance and Investment Opportunities in China
Season details to be announced.

Session 3.2 - International Youth Competition (1)
Presentation of 9 Shortlisted Teams
Q & A
Final Judging by International Jury Panel

Session 3.3 - Advanced Building Systems - Energy Generation (1)
Cooperation by Using Rational Energy Management Model
WANG Cheng-hong, Kajima Technical Research Institute Singapore, Singapore

Session 3.4 - Policies for High-Performance Green Buildings (2)
Baseline and Water Efficiency for Green Building in Taiwan
CHENG Cheng, National Taiwan University of Science and Technology, Taiwan

Session 3.5 - Performance Review of Green Buildings (1)
Strategic Study on the Benefit Evaluation of Solar Photovoltaic Promotion Policy in Kathmandu
U Nye, Associate Professor, Duy To University; JSBEC Nepal

Session 3.6 - Innovations Driving for Greener Policies and Standards - Practices Review
Improving or Small Gained? Examining Radical Sustainable Innovation
Li Qiyuan, Hong Kong SAR

Session 3.7 - Session Organiser: AECOM
High Performance Transportation Hubs: Myth or Matter?
Season details to be announced.

Session 3.8 - Innovative Practices for Occupant Wellbeing - Bioclimatic Design
Bringing Sustainable Neighbourhood Design into Reality–Case Sharing by Brickell City Centre
Peter KONCZ

Session 3.9 - Practices & Methodologies for Green Building Management (3)
Life Story of the Repurposed Shipping Container
Zhang Anxiao, Tianjin University, Mainland China; Delft University of Technology, The Netherlands

Session 3.10 - Transforming SBE Practices - Energy Management (2)
Dynamic CO2 and occupancy modelling for predictive control
Alexandra Pantazis, National University of Singapore, Singapore

Session 3.11 - BIM for Sustainability (1)
BIM Based Deep Building Renovation Optimization for Sustainability
Li Jiexin, Managing Director, JLL, Canada; 2030 Districts

Session 3.12 - Session Organiser: Allied Environmental Consultants Ltd.
Emerging Practices in Sustainable Built Environment
Session Chair: Grace KWOK
Managing Director, Allied Environmental Consultants Ltd.

Session 3.13 - Session Organiser: Allied Environmental Consultants Ltd.
Sustainable City - Pacific Asia Co. Ltd.
Environmental Responsively Buildings and Human Interactions

Session 3.14 - Session Organiser: Allied Environmental Consultants Ltd.
Sustainable City - Pacific Asia Co. Ltd.
Environmental Responsively Buildings and Human Interactions

Session Chair: Grace KWOK
Managing Director, Allied Environmental Consultants Ltd.

WSBE17 Hong Kong
Session 5.1 Regional Session - Canada, Brazil, Portugal, The Netherlands, Germany and Tallinn-Helsinki

Session Chair: Luis BRAGANÇA

Session 5.2 - Session Organiser: Sweden Green Building Council
High Performance Buildings and Sustainable Neighbourhoods in Sweden

Session Chair: Bengt WANGREN
CEO and Founding Chairman, Sweden Green Building Council; Member of the Board, World Green Building Council

Five Cess of Best Practice High Performance Buildings in Sweden
Five Cess of Best Practice Sustainable Neighbourhoods in Sweden

GAA

Session 5.3 Smart Initiatives in SBE (1)

The New Smart Cities / Cities Built from Scratch and Old Cities Transformed into Smart Cities. Sustainable Growth
Anne Claudia Logan VIDAL CUSQUERA, Latoa Faculty of Architecture, Portugal
Enhanced Engineering Services for Electrical & Mechanical System via Integrated Building Management System, Remote Monitoring Unit, and Geographic Information System
LEE Che-kit, Electrical and Mechanical Services Department, Government of the HKSAR, Hong Kong SAR

Desensitizing the City: Micro Energy Grids
Richard WONG, Sustainability Consultant, Arup, Hong Kong SAR

A Multi-disciplinary Approach in Developing Sustainable Built Environment: A Case Study in Hong Kong Kwunon East Development Project (KEP)
Schoeman LAM, The Hong Kong Polytechnic University, Hong Kong SAR

Sustainability between Mega Event Buildings and the Surrounding Neighbourhoods
Simone MAGNOLINI, Munich University of Applied Sciences, Germany

Session 5.4 Deep Renovations - Policies & Standards

Small, Beautiful, Yet Difficult: Economic Plus Renovation in Small Social Housing Companies
Christian KROTH, Chalmers University of Technology, Sweden

Deep Renovation as Tool for Active Protection of Modern Heritage: The Case of Architecture for The Service Sector
Claudia CALICE, University of Rome, Italy

Future Challenges for Renovation as Experienced by Housing Companies
Leila TRAVANDER, Chalmers University of Technology, Sweden

Integration of Sustainability Analyses into Business models for Energy Renovation of Buildings: A Case Study in Norway
Niklas BOUGLIE, NTNU, Norwegian University of Science and Technology, Norway

The Development and Practice of Existing Buildings Green Retrofitting in China
WANG Qingsi, China Academy of Building Research, Mainland China

Session 5.5 SBE Assessments - Green Building Policies

From Research to a National Standard: SBTool and Protocollo ITACA
Andrea MORE, ISBE Italia NAC. Italy

The Network for Sustainable Buildings Building as an Instrument of Quality Assurance in the Implementation of the Assessment System EDN in the Public Sector
Anna NAVONE, TREU Institute for Research on Building, Urban Morphs and Spatial Development, Germany

Competing Stakeholder Building Material Assessment in US Green Building Certification Programs
Cheeke Young KONG, Professor-Centre Director, University of Florida, United States of America
CESB: Together in a Harmonised Building Environment Assessment
Marcia BERTHOLD-DOWNS, Harvard, Australia

LEED COI in Brazil: Discussing the validity of the Method for the Improvement of Environmental Quality on Building
Monica Santos SALGADO, Federal University of Rio de Janeiro, Brazil

Session 5.6 Green Construction Technologies (2)

Innovative Building Technologies Towards Sustainable Construction – A Comparative LCA and LCC Assessment
Alexander PAGERS, Assistant Professor, Graz University of Technology, Austria

A Peer-to-peer Reviewing Framework for Selecting Construction Material Suppliers Using the Integrative LCA/Information/Modelling and Web-OpService INNEN Thuen-Hoeyne, National Taiwan University, Taiwan

Improving the Supply Chain of Housing Industrialisation with Transaction Bidding System
Benedikt KOENIG, University of Applied Sciences for the Built Environment, Germany

A Research Proposal to Improve the Environmental Performance of the Building Industry by Increasing the Innovation Activity of Small Contractors
Trevory ROSE, Queensland University of Technology, Australia

Session 5.7 SBE Assessments - Green Building Policies

Five Cases of Best Practice Sustainable Neighbourhoods in Sweden
Sorensen Jensen, Denmark

Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology
Thomas LÜTZKENDORF, iSBE16 Brazil-Portugal

International; Director and Treasurer, Sustainable Buildings Canada
Harry Robert BACH, Supported by a Software Tool

Session 5.8 SBE Assessments - Green Building Policies

Five Cases of Best Practice High-Performance Buildings in Sweden
Sorensen Jensen, Denmark

Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology
Thomas LÜTZKENDORF, iSBE16 Brazil-Portugal

International; Director and Treasurer, Sustainable Buildings Canada
Harry Robert BACH, Supported by a Software Tool

Session 5.9 Transforming Green Market - Green Economics (1)

Stakeholders View on Commercial Benefits for Energy Neutral Refurbishment of Let Properties
Angelico GRECO, Delft University of Technology, The Netherlands

How a Changing Scenario Can Contribute to the Demand for High-performance Buildings
Christian ANDREWS, Rutgers University, United States of America

Mangold’s First Cooperative Transformation Attempt on Built Environment Through Greening Existing Buildings
Narendra DOLI, Founder and CEO, Mangold Green Building Council, Mangold

How Sustainable Planning Increases Real Estate Property Value
Sergei SOLOVJ, President, Urban Morphology and Complex Systems Institute, France

The Economic Co-benefit Analysis of Green Building Based on the Low-carbon Economic Policy
Sherry WAI, School of Economics and Management, Banking, Auditing, Mainland China

Session 5.10 Zero Energy

Archiving Net Zero Carbon: A Case Study of Hong Kong’s First Zero Carbon Building
Australia BING, Assistant Director - Environmental & Sustainability, Construction Industry Council, Hong Kong SAR

Life Cycle Greenhouse Gas Emissions of Material Use in the Living Laboratory Building New KUROIWA, Waseda, Japan

Paradigmatic Feasibility of High-rise Green Carbon Buildings
WAI Mok, Associate Professor, The University of Hong Kong, Hong Kong SAR

Studies of Energy Efficient Measures and Building-Integrated Photovoltaic Toward Net Zero Energy Building
LOU Siew, City University of Hong Kong, Hong Kong SAR

Session 5.11 Occupants’ Evaluation of Green Buildings

Assessing Sustainable Urban Development Using Geographic Information Systems
Ilia HREMISKA, Professor, University of Coimbra, Portugal

Traffic Quality Index to Intersections Considering Fuel Efficiency
Maria Miranda de Castro CRUZ, Professor, Federal University of Espirito Santo, Brazil

A Simulation-Based Method to Assess 3D Urban Noise Environment in High-Density Cities
Mengdi GONG, The University of Hong Kong, Hong Kong SAR

Real Coded Quantum-Inspired Evolutionary Algorithm Applied to Sustainable Building Design
DEBIPOLO POLANCIO, University Carlos de Sabadell, Aragujal Peso

Sustainable Neighborhood Regeneration: Holistic Decision Support Methodology Supported by a Software Tool
Paul MITTENDORF, Munich University of Applied Sciences, Germany

Session 5.12 Sustainable Building Policies - Green Building Policies

Models, Designs, Processes, Tools and Methodologies in SBE (3)

Assessing Sustainable Urban Development Using Geographic Information Systems
Ilia HREMISKA, Professor, University of Coimbra, Portugal

Traffic Quality Index to Intersections Considering Fuel Efficiency
Maria Miranda de Castro CRUZ, Professor, Federal University of Espirito Santo, Brazil

A Simulation-Based Method to Assess 3D Urban Noise Environment in High-Density Cities
Mengdi GONG, The University of Hong Kong, Hong Kong SAR

Session Chair: Howard WAI

Smart Eco Home - Project Moses
Samson TAI, Director of Building Sustainability, Arup, Hong Kong SAR

Sustainable Living
Session 5.13 Stakeholder Collaboration

Green Management by Stakeholder Collaboration - The Hong Kong Housing Authority Experience
Alice PONG, Hong Kong Housing Authority, Government of the HKSAR, Hong Kong SAR

Co-Laboratories Bonding, Pairing Experiments for Climate Change Awareness
Carmelo OGUZZELLA, Design and Construction Arts, Concordia University, University Research Chair DEBS, I.A.P.P. Canada

Putting Renovation Development into Action: Understanding the Decision-making Process of MBE’s Innovative Project
Dominique RES, Australia Director - Thinix Research Hub, The University of Melbourne, Australia

Quantification as a Means to User Involvement in Decision-making Processes for Sustainable Buildings
Winnie Tien Hing WONG, Karen Jensen, Denmark

Accelerating HKE’s Carbon Footprint Reduction Through Multi-stakeholder Engagement and its Potential for Multi-tenant Facilities
Mike KILBURN, Business Manager, Sustainability, Airport Authority Hong Kong, Hong Kong SAR

Session Chair: Jimmy TONG

Sino Group Smart and Digital Transformation for Sustainable Living

Sino’s Smart Initiative
Begus LEUNG, Director, Sino Investment, Hong Kong SAR

Artificial Intelligence: A Revolutionary Tool in Engineering Innovation
Sammul TAI, CEO, IBM Hong Kong, Hong Kong SAR

Smart Eco Home - Project Moses
Howard WAI, Managing Director, Sino, Hong Kong SAR

Policy, Design, and People: Developing a Sustainable East Asia
Vincent CHENG, Director of Building Sustainability, Arup, Hong Kong SAR

WSBE17 Hong Kong
Session 6.1 Regional Session - Australia, Malaysia, China, Singapore, South Korea and Philippines

Session Chair: Greg GOLIENTE
Professional Fellow, The University of Melbourne; Founder and Director, Blue Sky Ltd

SBE Sydney
Des PRAED: Scientist, Professor, CRC for Low Carbon Living

SBE Changning
Andrew BALDWIN: Chairman, Changning University

SBE Singapore
TAN Tian-sheng: Deputy Manager, Built Environment Research and Innovation Institute, Building and Construction Authority

SBE Seoul
BONG Weon-seong: Division of Architecture and Architectural Engineering at Hongyang University, Korea

SBE Manila
FRANCIS JABON: Chair of Scientific Committee

Session 6.2 SBE Urban Challenge: Assessment Protocol and Case Studies
Session details to be announced.

Session 6.3 Smart Initiatives in SBE (2)
Transforming Building Information Modelling to Sustainable Building Asset Management
LEE Chew, Chief Engineer, The Electrical and Mechanical Services Department, Government of the HKSAR, Hong Kong SAR

Water Online - Information Drives Behavioural Change to Save Building Energy
Siew LOH, CCOE, Manager - Commercial Accounts, CDP Power Hong Kong Limited, Hong Kong SAR

Liu CHEN, Senior Engineer, The Electrical and Mechanical Services Department, Government of the HKSAR, Hong Kong SAR

Energy Efficient Controls and Smart Energy Management of Buildings and its Energy Savings in Real Applications
WANG Xueqin, Chief Professor of Building Services Engineering, The Hong Kong Polytechnic University, Hong Kong SAR

Interactive Building-use Systems for Positive Behavioural Change by Enhancing Participation of Building Occupants
ZHANG Guang, National University of Singapore, Singapore

Review on Demand Central Ventilation
ZHENG Chun, Changning University, Shanghai, China

Session 6.4 Deep Renovations - Practices & Performance Review

The Verification and Implementation of Practical Renovation for new-BED Office
Dinh ETIK, Design and Planning Head, Office Property, MBM Corporation, Vietnam

Rumel Wall: Causes and Solutions
Mohamed ELBATR, Chairmen of University of Technology, Sweden

Improving the Market Uptake of Energy Producing Solar Shading: Experience from Three Cases of Benefit
Paola FERRARIS, Chairmen of University of Technology, Sweden

Stefan HuebNER, Professor at the Universities of Denmark and Germany

Renovation Needs to Be Improved for Energy Performance Depending on Ownership – A Location Based Study of Old-Family Building Stocks in an Urban Context
Magnus ÖSTBERG, Chairmen of University of Technology, Sweden

Session 6.5 SBE Assessments - Design Processes
The Effects of Hong Kong Building Environment Assessment Method (HK-BAEM) Accreditation on Construction and Demolition Waste Minimization
CHEN J. Department of Real Estate and Construction, The University of Hong Kong, Hong Kong SAR

Contribution of Knowledge in Sustainable Building Design in Emerging Markets – A Case of Vietnam
CRONG Y.T.: The Australian National University, Australia

Integrated Green Building Assessment Approach for the Next Decade
May YU: Director, Mark Department for New Building, Development and Construction Authority of Singapore, Singapore

Certification of Sustainability - Case Study Analysis of New German Standard
Marko WEISEL: Green Associate and Consultant, Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR), Germany

Integration of Energy and Material Performance of Buildings: LeDoll
Siew YAN HUTSON, Senior Consultant, WBC Consultants Sustainable Building, The Netherlands

Session 6.6 Green Construction Materials (1)
Naturally Ventilated Earth Timber Constructions
Andrew SLOUSE, Senior Architect, Routewell Architectural, Germany

The Study on Durability Testing of Non-Insulation Coating
Uyen CHIEN, National University of Singapore, Singapore

Utilising Pits Reefs for Eco-Friendly and Flexible Construction in Egypt
Elmahdi ENRIQUE EZQUERDA VALENZUELA, University of Siegen, Germany

Nordic Green Roof The 21st Century
Martin TAN Tian-sheng, Founder and CEO, Aike Mall Ltd., Hong Kong SAR

Community Engagement Through Real-Market Technology - Sustainable Building Techniques to Revitalize the War Victims Communities in Batticaloa, Sri Lanka
Nave AROSA, University of Indonesia, Indonesia

Session 6.7 Innovations Driving for Greener Policies and Standards - Assessment, Analysis and Modelling (2)
Full Cost Assessment: A Method to Analyse Sustainability of Buildings
Alessandro AKI YOKOTA, The University of Melbourne, Australia

Integrated System for Energy Optimization and Reduction of Building CO2-Footprint
Elena Enrique EZQUERDA VALENZUELA, University of Siegen, Germany

Environmental Indicators for Monitoring the Swedish Building and Real Estate Management Sector
Anders LUTTERWICH, National Board of Housing, Building and Planning, Sweden

Feasibility Study on Implementing Indoor Air Quality (IAQ) Index in Hong Kong
Leung CHI-HEN, The University of Hong Kong, Hong Kong SAR

Integration of Co-Optimization with Energy Efficiency - Cloud马刺
TANG Chi-kwan, HKU Work-Shed, Shenzhen, China

Session 6.8 Sustainable Neighbourhoods - Case Study Review (2)
A Study of Gaoping River Basin Based on Living and Ecological Landscape
CHANG Kuei-hong, Pingtung County Government, Taiwan

The District Cooling System at The Kaohsiung Medical University
LO Su-an, Senior Engineer, Chemical Engineering and Municipal Services Department, Government of the Republic of China

YAO KUNLONG, Director of Sustainable Energy, Legal, Ukraine, United States of America

Social Housing Schemes in a Green Economy - Sustainability and Certified Renewable Energy Network - Allocation of Co-benefits and Evaluation of Socio-environmental & Technical Performance
RIZA KUSNO, Acting General Manager, Energy Strategy Planning Dept., Tokio Gas Co., Japan

Policy Framework and Instruments for Green Transformation in East Asia
Vincent NGENG, AIA, Hong Kong SAR

Session 6.9 Green Economics (2)

Session 6.10 Innovative Practices to Transform SBE (1)
Comparative Analyses: Urban Quality, Living Standard, Sustainability, Mordern Housing Estates vs 21st Century City
Aleksei TEREKHOV, Gom University of Technology, Austria

Building Less and Make Cities Smarter by Unleashing Potential of Vacant Spaces
LUCY Lax, Arquitecta Ltd., Hong Kong SAR

Green Transformation of Electrical and Mechanical Services Department Headquarters Building
Domini LAI Shu-lei, Senior Building Services Engineers, Electrical and Mechanical Services Department, Government of the HKSAR, Hong Kong SAR

Shaping Energetic Neighborhoods: A Dynamic Approach for a Future Proof Urban Energy Planning
Virgin M Atkin, University of Applied Sciences, Germany

Building Drives for Behaviour Change - Roles Model of Sustainability
YANG LING, Senior Engineer, AIA, Hong Kong SAR

Session 6.11 Processes, Design, Tools and Methodologies in SBE (4)
Evidence-Based Approach to Calibration of Whole Building Energy Model
Aaron CHING, Carnegie Mellon University, United States of America; National University of Singapore, Singapore

International LCA Data Network - Demonstration Project for an Open International Online Database Structure
Hiltlagenda FIG, IBO Austria Institute for Building and Ecology, Austria

Noise Impact Assessment Study on High-performance of Sound Insulation for Residential Building at Neighbouring High Speed Rail Station
UrLMAR, Architect Professor, Institute of Science, Ritsumeikan University, Tokyo, Japan

Whole-Life Building-Calibrated Analysis of the Performance Gap. Using an RCG Case Study Green Buildings
Matthias Jahn UNITEC, British Columbia Institute of Technology, Canada

Heating and Cooling Loads of a Poultry Shed in Central Coast, NSW, Australia
ZHENG Chien-fu, The University of Melbourne, Australia

Session 6.12 Green Buildings - Occupants’ Perspectives

Session 6.13 Place-making - Integrative Building Processes
Integrative Design Guidance for the Early Process Phase
Günther LÖWERT, Site or Planning, Germany

Reconfigurable Design - The Interactive Architecture for Sustainable Neighbourhoods and Cities
Mary CHEN, Dennis Lau & Fung Chun-Mak Architects and Engineers [P] Ltd., Hong Kong SAR

Corresponding Sustainable Neighbourhoods Through Collaborative Place-making
SOMON ADEWUMI, University of Dundee, United Kingdom

Session Chair: Peter YAM
Professorial Fellow, The University of Melbourne; Founder and Director, Blue Sky Ltd

Session 6.14 Session-Organiser: Hong Kong Green Building Council BEAM Plus Neighbourhood: From Theory to Praxis

Session Chair: Larry POON
Convener of BEAM Plus Neighbourhood Steering Committee/Roll-out Taskforce, Hong Kong Green Building Council Ltd., Hong Kong SAR

BEAM Plus Neighbourhood: An Introduction
Larry POON, Convener of BEAM Plus Neighbourhood Steering Committee/Roll-out Taskforce, Hong Kong Green Building Council Ltd., Hong Kong SAR

Session 6.14 (Cont’d)
Transformation of EMG Headquarters into a Green Building
Amory HO, AIA, Hong Kong SAR

Simplified Site Plate Development of Tai Po Shing Street West
Ada FONG, Deputy Director of Housing (Development & Construction), Hong Kong Housing Authority, Hong Kong SAR

West Kowloon Cultural District
WONG Wing-chi, Chief Operating Officer, West Kowloon Cultural District Authority, Hong Kong SAR

Lessons Learnt from BEAM Plus Neighbourhood Pilot testing in the HKMRC, Senior Consultant, AIA, Hong Kong SAR

WSBE17 Hong Kong
Day 3 • 7 June 2017 (Wed) • Parallel Session 7 • 15:10 - 16:40

Session 7.1 Education and Training for Transforming SBE
Private Public Partnership Energy Efficiency Assessment Program at Hong Kong
Ryusuke KOJIO Sustainable Workplaces in High Density of Urban Areas, Henderson Land Development Co. Ltd., Hong Kong SAR
Leveraging the Power of Story to Achieve Greater Sustainability
Jens Scott BREW, Senior Sustainability Advisor, Nilaan Janaker, Japan
Embedding Sustainability in Higher Education Course Content: An Industry Perspective
Lloyd Martin SCOTT, Dalhin Institute of Technology, Ireland
Importance of Built Heritage for Sustainable Built Environment
Shahid Ahmad RAJPUT, COMAR: Institute of Technology, Pakistan
Developing A Conceptual Framework for Integrating Project Risk Management and Sustainability Objectives
Timothy ROSE, Queensland University of Technology, Australia

Session 7.2 SBE Buildings Challenge: Assessment Protocol and Case Studies
Session details to be announced.

Session 7.3 Smart Initiatives in SBE (3)
Using Advanced Thermodynamics and Online Big Data Analytics to Maximize the Chiller Plant Performance
Glen AMBERDIN, ETC Group, Malaysia
Transforming Data into Action – Building Energy Management System to Actualize a Sustainable Built Environment
Jeniece CHENG Minchu, Electrical & Mechanical Services Department, Government of the HKSAR, Hong Kong SAR
Telecommunications Infrastructure for High Performance Buildings
Philip TAI, Telecommunications Manager, Some Properties Ltd., Hong Kong SAR
Using Big Data Analytics and Continuous Monitoring to Increase the Return of Investment (ROI) in Projects for Sustainable Building Performance
Rahul MAHARJI, Area Regional Manager, ETC Group, Malaysia

Session 7.4 Deep Renovations - Processes & Methodologies
Towards a Holistic Methodology in Sustainable Retraining: Theory, Implementation and Applications
Makke KARI, Department of Engineering, Aarhus University, Denmark
A Multidimensional Optimization Approach to Refurbishment Design on a Multi-Building Scale
Claudia NASSELI, Chalmers University of Technology, Sweden
Development of Regenerative Design Principles for Building Retrofit
William James CRAFT, University of New South Wales, Australia
Passive Building: Renewable Energy of a Secondary School
Interior Design: FARTAN, University of Trento, Italy
Factors Affecting High Performance Building Design in Nigeria’s Built Environment: The Architectural Perspective
Abdulrah Yehoye MUHAMMAD, Abubakar/Faraha Salami (ATU) School, Nigeria

Session 7.5 SBE Assessments - Practices Review
Transnational Harmonization of Built Environment Assessment Systems: the CESSA Passport Principle
Andrew MORD, President, IBE Europa RDI, Italy
Generating and Providing Embedded Energy and Global Warming Potential Related Information – Recommendations for Construction Product Manufacturers
Angelika HINTERBRANDNER, School of Technology, Austria
“The Assessment System for Sustainable Building BNB by Taking the Example of the Computer Reformatted BNB Standards for Educational Buildings”
Julie MILLER, Federal Institute for Research on Urban, Archeology and Spatial Development (BfEER), Germany
Discussing Sustainability in Building Construction: The Potential of Situated for British Public Housing in Public
Monica Savina MALGO, University of Rio de Janeiro, Brazil
Assessment Tools for The Sustainability Performance of Building - Development of A Sustainability Assessment Method for Small Residential Buildings in Germany
Namita ESUG, University of Applied Sciences Munich, Germany

Session 7.6 Green Construction Materials (2)
Self-Compacting Clay Concrete: A Sustainable and Innovative Process to Build with Earth
Guillane HABRERT, Professor, ETH Zurich, Switzerland
Trend of Dynamic Glass in Green Building
MY CHOI, Chief, Full Treasure, Hong Kong SAR
Ultralight Wood - Wood from the MSD Solid Buildings: An Alternative Solution for the Substitution of Natural Aggregates in Concrete Application
Jacques Hynek MARTINE, MY Life-Dose, LOCEI-ICE, France
Autonomous Repair in Cementitious Material by Combination of Superabsorbent Polymers and Polysaccharide Fibres - A Step towards Sustainable Infrastructure
Koen DEROY, UNIVERSITÉ DE MONTRÉAL, Canada

Session 7.7 Innovations Driving for Greener Policies and Standards - Smart Initiatives
Smart Cities - Selection of Indicators for Cities in China
Cristina ENGEL DE ALVAREZ, Laboratorio de Planejamento a Projetos, Universidade Federal do Espírito Santo, Brazil
Establishing Smart Cities for Sustainability: An Analysis of the Japanese Innovation System and Implications for Asia
Masanao TAKEI, Associate Professor, City University of Hong Kong, Hong Kong SAR
PLUSQUA: Potential of Neighbourhoods to Reduce Thermal and Electrical Loads
Robert KOLLER, Senior Scientist, Lucerne University of Applied Sciences and Arts, Switzerland
Adaptation of Smart Initiatives in Developing Anderson Road Quarry Site Towards a Sustainable and Green Living Area
Michael LOUGH Cherry-hoo, Deputy Project Manager (New Tamaqua East), Civil Engineering and Development Department, Government of the HKSAR, Hong Kong SAR
Roadmap Towards Operational Energy Neutral Sowage Treatment Works
Vitalia ALVARADO, Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hong Kong SAR

Session 7.8 Sustainable Neighbourhoods - Processes and Application
Current Challenges of Urban Energy Planning in a Norwegian Municipality
Erik REISCH, Norwegian University of Science and Technology, Norway
Clay Action: Guiding Sustainable Urban Development
Jenise UNI, 47th Royal Institute of Technology, Sweden, Project Coordinator, Sweden
Green Building Council, Sweden
The Break-Even Point: Impact of Urban Decades on Value Creation, Infrastructure Costs and Energy Demand
Ege SELALI, Urban Morphology and Complex Systems Institute, France
Barriers and Needs for Energy-efficient Refurbishment at District Level
Jorgo MARKER, Senior Principal Scientist, VTT Technical Research Centre of Finland Ltd., Finland
Building Regulations and Urban Policies as Incentives for Application of District Heating Systems in Singapore
Shengxian GONG, ETH Zurich, Future Cities Laboratory, Singapore ETH Centre, Singapore

Session 7.9 Transforming Green Market - Supply Chain
New Zealand? Small European Companies Entering the Chinese Sustainable Building Market
Christian KODD, Chalmers University of Technology, Sweden
Sustainable Electrical and Mechanical Services - Vision with Action
CHIN Wing-pong, Senior Engineer, Busines Planning, Electrical and Mechanical Services Department, Government of the HKSAR, Hong Kong SAR
Project Manager’s Role in Sustainable Building Projects: A Case Study in Canada
Ricardo FernandeZ-EDC, Architect and Sustainable Building Consultant, Faculté de Architecture et Urbanisme - UCLouvain, Belgium
A Study in Green Industrial Project Construction Experience
ZHANG Wujing, Vice President - Engineering & Innovation, Butler (Shanghai) Inc., China

Session 7.10 Innovative Practices to Transform SBE (2)
A Revolutionary Study Concerns and University Library Extension, The Chinese University of Hong Kong
PING Wai-man, Director of Campus Development, The Chinese University of Hong Kong, Hong Kong SAR
Energy Positive Care Home Design in Cold Climate in China
HUO Shuiyan, Carleton University, United Kingdom
Preliminary Study on Natural Ventilation Efficiency in School Stadium by Different Opening Patterns
O Hyeon, Associate Professor, Daedeok University, South Korea
Toward the Quantifying and Improving Environmental and Human Sustainability in Remote-Region Health Clinics, Australia
MARIE HURBINSKY, University of Canberra, Australia
Scouring of Urbanization - Optimized Approaches through Adaptive and Sustainable Modernization
Anzey NG, Arup, Hong Kong SAR

Session 7.11 Processes, Design, Tools and Methodologies in SBE (5)
Measuring Sustainability in Buildings Using Construction Materials Database Based on Life Cycle Information in Turkey
Ner EKIBAS, Yildiz Technical University, Turkey
When Digital Fabrication Provides Environmental Benefits: Study of Complex Structures
Isabel AUGUSTI-JUAN, Chair of Sustainable Construction, ETH Zurich, Switzerland
Sustainable Building Design for Enhancement of Street Ventilation and Air Quality Improvement
Hong KONG University of Science and Technology (HKUST), Hong Kong SAR
Applicability of Maturity Assessment for Sustainable Construction
Hakan KIZIL, Department of Technology - Institute of Technology and Testing of Building Materials, - Working Group for Sustainability Assessment, Turkey
Wang Ran, Energy Research Institute(Nanjing) (ERIN), Nanjing University, Singapore

Session 7.12 Multi-faceted Considerations of Urban Regeneration Policies
The Role of Stakeholders in Metropolitan Regeneration Decisions
Hannah BAKER, University of Cambridge, United Kingdom
Effect of Residential Town-Gateway on Urban Wind Environment
Ruth DE LAKKARAK, Associate Professor, Chu Hi College of Higher Education, Hong Kong SAR
Samir NASSIRI-KAMR, The University of New South Wales, Australia
Bi Wei ZHENG, A Being Community at The Crossroad - An Analysis about the Sustainable Use of Chiang Mai Old Residential Areas
WANG Liang, GRAND, Mainland China
Sustainable Urban Regeneration: Call to an Connector Vector
Miguel AMADO, Instituto Superior Technico, Portugal

Session 7.13 Place-making - Practices Review
From Icon to Community: The Repositioning of The Mega Tower in The City Context
Bryant LUI, Ronald Lui & Partners (Hong Kong) Ltd., Hong Kong SAR
Do We Design Our Cities?
Eugenie Marie FORAN WAYS, Director – Architect – BIM Implementation, Enzyme AIP, Hong Kong SAR
Sustainable Residential Development Initiatives Neighbourhood Level – From a Hong Kong Private Developer Perspective
Edward CHERG, Horizonland Land Development Co. Ltd, Hong Kong SAR
New Exposition of Sustainability – Linking People, Building and Community
Gary CHERG, Consultant of Building Sustainability, Arup, Hong Kong SAR
Sustainable Workplaces in High Density of Urban Areas
Raymond KOUSA, Architect General Manager, Design, TKENAXA CORPORATION, Japan

Session 7.14 Place-making - Practices Review
Session details to be announced.
EXHIBITION & BUSINESS MATCHING

- To be held alongside the Conference, the exhibition is an effective platform to identify and screen suitable business partners, potential buyers and practitioners to expedite business opportunities!
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OPENING CEREMONY  
(5 June 2017)  
- Hon. LEUNG Chun-ying, Chief Executive, Hong Kong Special Administrative Region, and Dr QIU Baoping, Representative of The Ministry of Housing and Urban-Rural Development & Counsellor of Counsellor’s Office will be our Guests of Honour of the Opening Ceremony.
- Top leaders from the Government and the industry will gather and witness the opening of the global conference, WSBE17 Hong Kong.

GALA DINNER  
(6 June 2017)  
- To be held on 6 Jun 2017 at the Renaissance Hong Kong Harbour View Hotel.
- Chief Secretary for Administration of Government of the HKSAR, Mr Matthew CHEUNG Kin-chung will be our Guest of Honour.
- Top leaders from the Government, property developers, architects consultancies, and other key industry players will gather and celebrate the achievements of green and sustainable developments around the globe.

NETWORKING LUNCHEON  
(5 June 2017)  
- To be held on Conference Day 1, the Luncheon is a perfect occasion for delegates to chill out and go around meeting people from 50 countries.

INTERNATIONAL YOUTH COMPETITION (IYC)  
- IYC invites imaginative ideas, projects and action plans that best demonstrate an innovative interpretation of the Conference theme and various discussion areas.
- Around 100 teams of young innovators from 25 countries have submitted their finest works to showcase their aspirations to the greener future.
- The host of the World Sustainable Built Environment Conference 2020 will be announced.

CLOSING CEREMONY  
(7 June 2017)  
- Mr Eric MA, Secretary for Development, Government of the HKSAR, will be our Guest of Honour of the Closing Ceremony.
- The host of the World Sustainable Built Environment Conference 2020 will be announced.

After multiple rounds of judging and deliberation, the juries has selected 8 Shortlisted Teams. The 8 teams will present on 6 June (Day 2 afternoon) to impress the juries and receive their final awards.

Here are the snapshots of the shortlisted entries. They will be displayed at WSBE17 Hong Kong Exhibition. Check out their brilliant ideas at WSBE17 Hong Kong!

Find out more  
www.wsbe17hongkong.hk/iyc
Green Building Technical Visit (8 June 2017)

Tentative Time: 09:00-18:00      Fee: HK$650 per tour

Join the specially designed local green building tours to understand how signature green building projects could integrate and perform well in the unique high-rise high-density built environment of Hong Kong. You could obtain first-hand experience on the latest eco-friendly technologies and features implemented, as well as hear about their behind-the-scene stories. Pick one of the routes (Hong Kong Island / Kowloon / New Territories) for your exploration on 8 June 2017.

Core Technical Visit Location

1. CIIC Zero Carbon Building
   First zero carbon building in Hong Kong

TOUR 1: Hong Kong Island Tour (2 routes)

2. Chai Wan Factory Estate conversion
   Public Housing Estate, converted from H-shaped Chai Wan Factory Building

3. Holiday Inn Express Hong Kong SoHo
   First high-rise building hotel, achieved 4 platinum or equivalent of green awards – BEAM Plus, LEED, BCA Green Mark and Green Building Design Label (3-Star)

4. Hysan Place
   BEAM Plus Final Platinum project and first LEED Platinum certified commercial vertical office in Greater China

5. King Yin Lei
   Rare surviving example of the Chinese Renaissance style that reflects the excellence of design and construction in both Chinese and Western architecture in Hong Kong

6. PMQ
   Transformed from residential units built in 1951 into design studios, shops and offices for creative enterprises and places for organising exhibits

7. Towngas Headquarters
   First non-residential building in Hong Kong achieved the highest level of recognition under the BEAM Plus Final Assessment for existing buildings

TOUR 2: Kowloon Tour (2 routes)

8. De Novo
   Achieved BEAM Plus Provisional Platinum rating and focused on building community, sustainability, and modest yet practical design

9. Electrical and Mechanical Services Department Headquarters
   Showcase of sustainable development through renovation of the old structure of a former air cargo terminal building into an office-cum-workshop building

10. Energizing Kowloon East Office
    Hong Kong’s first low carbon temporary office with the use of a variety of integrated green building technologies and features

11. Trade and Industry Tower
    Adopted series of renewable energy technologies

12. Yau Lai Estate Phase 5
    Sustainable public housing estate

TOUR 3: New Territories Tour (2 routes)

13. Green Hub (Old Tai Po Police Station)

14. Hang Seng Management College
    Post Secondary College, environmentally responsive and infused with innovative environmental ideas in the building design

15. Hong Kong Science Park - Phase 3a+3b & Green 18
    "Living laboratory" where the buildings are designed on sustainability principles

16. Hung Fuk Estate
    One of the joint public housing developments in Hung Shui Kiu, Hong Kong which received the Grand Award (Residential) in Green Building Award 2016

17. T • PARK
    Futuristic waste treatment facility that fires up Hong Kong’s “waste-to-energy” and resource recovery ambitions

Hong Kong Eco Tour (9 June 2017)

Tentative Time: 09:00-18:00      Fee: HK$980 per tour

21. Hong Kong Geopark Boat Tour
    Get on a chartered boat for an cruise tour around the Sai Kung harbour and the islands around, where spectacular landforms and historical village can be explored

22. Lai Chi Wo Eco and Cultural Tour
    A traditional Hakka village established as early as 1670s and being revitalised since 2013

Remark: The tours will be open for registration in late April 2017 on conference website.
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Additional Information
What is your organisation’s primary industry sector?
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How did you hear about WSBE17 Hong Kong?
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