

The 8<sup>th</sup> Tropical and Subtropical Green Building Council Alliance Conference &The 9<sup>th</sup> Cross-Strait Green Building Technology Development Forum Rundown

第八屆熱帶、亞熱帶(夏熱冬暖)地區綠色建築技術國際論壇暨第九屆兩岸四地綠色建築技術發展論壇議程

( update by 17 November 2018 )

16 November 2018 (Friday) / 2018 年 11 月 16 日 ( 星期五 )

| Time<br>時間  | Opening Ceremony & Keynote Presentations & Special Invited Presentation/ 開幕式 & 主題演講 & 特邀演講<br><br>Charles K.Kao Auditorium*, Convention Centre 2, Hong Kong Science Park (Provide Simultaneous interpretation will be provided in Chinese and English)/<br><br>香港科學園展覽中心 2 -高錕會議中心 (提供中、英文同聲傳譯)  |
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| 08:15-09:00 | Registration / 註冊報到  |
| 09:00-09:10 | <div>Opening Ceremony / 開幕式</div> <div>Conference Chairman:<br/>會議主席：<ul style="list-style-type: none"><li>Prof. TSOU Jin Yeu<br/>Chairman, China Green Building (Hong Kong) Council;<br/>Director, Center for Housing Innovations, The Chinese University of Hong Kong;<br/>Professor, School of Architecture, The Chinese University of Hong Kong<br/><br/>鄒經宇教授<br/>中國綠色建築與節能（香港）委員會 主席；<br/>香港中文大學中國城市住宅研究中心 主任；<br/>香港中文大學建築學院 教授</li></ul></div> <div>Opening Address:<br/>開幕致辭：<ul style="list-style-type: none"><li>Prof. TSOU Jin Yeu<br/>Chairman, China Green Building (Hong Kong) Council;<br/>Director, Center for Housing Innovations, The Chinese University of Hong Kong;<br/>Professor, School of Architecture, The Chinese University of Hong Kong<br/><br/>鄒經宇 教授<br/>中國綠色建築與節能（香港）委員會 主席；<br/>香港中文大學中國城市住宅研究中心 主任；<br/>香港中文大學建築學院 教授</li></ul></div> |

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|-------------|--|
| 09:10-09:40 | <b>Green Building + Green Community for Sustainable &amp; Resilient Human Habitats in Tropical &amp; Sub-tropical Regions</b><br><br>Mr. WONG Kam Sing, Secretary for the Environment, HKSARG<br><br><b>綠色建築+綠色社區作為構建熱帶及亞熱帶地區可持續和韌性人居環境的手段</b><br><br>黃錦星 先生<br><br>香港環境局 局長   |
| 09:40-10:00 | Tea Break and Group Photo / 茶歇及合照  |
| 10:00-10:10 | Address of Representative of China Green Building Council:<br><br>中國城市科學研究會綠色建築與節能專業委員會代表嘉賓致辭：<br><br><b>Prof. WANG Youwei</b><br><b>Director, China Green Building Council</b><br><br>王有為 教授<br>中國城市科學研究會綠色建築與節能專業委員會 主任委員  |
| 10:10-10:15 | Chairman’s Announcement on Conference Agenda and Logistic Issues<br>大會主席介紹大會流程及相關事宜<br><br><b>Prof. TSOU Jin Yeu</b><br><b>Chairman, China Green Building (Hong Kong) Council;</b><br><b>Director, Center for Housing Innovations, The Chinese University of Hong Kong;</b><br><b>Professor, School of Architecture, The Chinese University of Hong Kong</b><br><br>鄒經宇教授<br>中國綠色建築與節能（香港）委員會 主席；<br>香港中文大學中國城市住宅研究中心 主任；<br>香港中文大學建築學院 教授 |
| 10:15-11:00 | <b>Way Forward of China Green Building in the New Era</b><br><br>Prof. ZHONG Jishou<br><br>Secretary-general, Architectural Society of China;<br><br>Director, China National Engineering Research Center for Human Settlements;<br><br>Deputy Chief Engineer, China Architecture Design & Research Group;   |

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|             | Secretary-general, China Industry Technology Innovation Strategic Alliance for Housing<br><br><b>新時代我國綠色建築發展動向</b><br><br>仲繼壽 教授<br><br>中國建築學會 秘書長;<br><br>國家住宅與居住環境工程技術研究中心 主任;<br><br>中國建築設計研究院有限公司 副總工程師;<br><br>國家住宅科技產業技術創新戰略聯盟 秘書長   |
| 11:00-11:45 | <b>Measurement Data Interpretation for Sustainable Asset Management and for Future Responsive Cities</b><br><br>Prof. Ian F.C. SMITH<br><br>Professor and Head of Applied Computing and Mechanics Laboratory and School of Architecture, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland;<br><br>Member of Board of Directors, International Society on Computing in Civil and Building Engineering (ISCCBE);<br><br>Council Member, International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII);<br><br>Founder and Former Chair, European Group for Intelligent Computing in Engineering;<br><br>Fellow, American Society of Civil Engineers (ASCE)<br><br><b>可持續資產管理和未來響應城市之測量數據演繹</b><br><br>Ian F.C. SMITH 教授<br>瑞士洛桑聯邦理工學院應用計算與力學實驗室 教授兼主任;<br>國際土木與建築工程計算協會 董事;<br>國際智能基礎設施結構健康監測學會 理事;<br>歐洲智能計算於工程應用協會 創始人及前任會長;<br>美國土木工程師學會 會士 |
| 11:45-12:30 | <b>Comprehensive Implementing Strategy of Taiwan Green Building Development</b><br>Prof. HO Ming Chin<br><br>Advisory Member, Council for Green Building Evaluation Research in Taiwan;<br><br>Academic Adviser, Center for Housing Innovations (Taipei);<br><br>Professor, Department of Architecture, China University of Technology;  |

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|             | <p>Fellow, Taiwan Architectural Institute ;</p> <p><b>台灣綠色建築發展之綜合推動策略</b></p> <p>何明錦 教授</p> <p>綠色建築評價標識台灣專家委員會 顧問委員；</p> <p>中國城市住宅研究中心（台北） 學術顧問；</p> <p>中國科技大學建築系暨研究所 教授；</p> <p>台灣建築學會 會士；</p>   |
| 12:30-14:00 | Lunch / 午餐時間  |
|             |   |
| 14:00-14:45 | <p><b>Challenges in Hong Kong Public Housing for Sustainable and Resilient Development in the 21st Century</b></p> <p>Ms. YEUNG Kwong Yim, Connie</p> <p>Deputy Director (Development &amp; Construction), Hong Kong Housing Authority;</p> <p>Registered Architect; HKIA; Authorized Person; FCIOB</p> <p><b>香港公營房屋成就 21 世紀可持續及韌性住宅發展的挑戰</b></p> <p>楊光艷 女士，太平紳士</p> <p>香港房屋署 副署長（發展及建築）；</p> <p>註冊建築師；香港建築師學會會員；認可人士(建築師名單) ；資深特許建造師</p>   |
| 14:45-15:30 | <p><b>Exploring on Value Green to Gold</b></p> <p>Prof. YE Qing</p> <p>Deputy Director, China Green Building Council；</p> <p>Chairman, Green Building Association of Cities Specifically Designated in the State Planning and Hong Kong, Macau and Taiwan；</p> <p>Chairman, Shenzhen Institute of Green Building Research Co., Ltd.</p> <p><b>點綠成金的探索</b></p> <p>葉青 教授</p> <p>中國城市科學研究會綠色建築與節能專業委員會 副主任委員；</p> <p>計劃單列市及港澳台地區綠色建築聯盟 主席；</p> |

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|             | 深圳市建築科學研究院股份有限公司 董事長   |
| 15:30-15:45 | Tea Break /茶歇  |
| 15:45-16:30 | <p><b>Singapore Housing: Yesterday, Today and Tomorrow</b><br/>Prof. HENG Chye Kiang<br/>Lum Chang Chair Professor and Former Dean, School of Design &amp; Environment, National University of Singapore;<br/><br/>Board Member, Housing &amp; Development Board (HDB), Singapore Institute of Technology;<br/><br/>Senior Fellow, Singapore Urban Renewal Authority (URA) Academy, Centre for Liveable Cities (CLC) ;<br/>Founder, Centre for Sustainable Asian Cities, School of Design &amp; Environment, National University of Singapore</p> <p><b>新加坡的組屋：過去、現在與未來</b><br/><br/>王才強 教授<br/>新加坡國立大學設計與環境學院 林增講席教授，前任院長；<br/><br/>新加坡建屋發展局、新加坡科技學院 董事；<br/>新加坡市區重建局、宜居城市中心 高級研究員；<br/>新加坡國立大學設計與環境學院亞洲城市可持續發展研究中心 創始人</p> |
| 16:30-17:00 | <p><b>Delivering Near-Zero Carbon Communities in Great Bay Area – Challenge and Implementation</b><br/>Dr. CHENG Sai Yau, Vincent<br/>Arup Fellow and Director of Building Sustainability</p> <p><b>建設粵港澳大灣區近零碳社區——挑戰與實踐</b><br/>鄭世有 博士<br/>奧雅納院士 &amp; 董事（可持續建築）</p>  |
| 17:00-17:30 | <p><b>Verdant hills and clear rivers. Together we can make it.</b><br/>Mr. DENG Jianjun<br/>Chairman, Dongguan Green Building Association</p> <p><b>綠水青山，同心共創</b><br/>鄧建軍 先生<br/>東莞市綠色建築協會 會長</p>  |



17 November 2018 (Saturday) / 2018 年 11 月 17 日 ( 星期六 )

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|                 | Conference Hall 04+05,<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 04+05 |                 | Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 06+07<br>(提供中、英文同聲傳譯)   |
| Time<br>時間      |   | Time<br>時間      | Keynote Presentation / 主題演講  |
| 08:30-<br>09:00 |   | 08:30-<br>09:00 | Registration / 註冊報到  |
| 09:00-<br>09:45 |   | 09:00-<br>09:45 | <p><b>Green Buildings for Everyone, Everywhere</b></p> <p>Ms. FUNG Yin Suen, Ada,</p> <p>Director, World Green Building Council;</p> <p>Chairperson, Committee on Building Information Modelling, Construction Industry Council;</p> <p>Director, Hong Kong Green Building Council;</p> <p>Former President, The Hong Kong Institute of Architects;</p> <p>Former Chairperson, Committee on Construction Safety, Construction Industry Council</p> <p><b>全賴有你：綠色建築遍全球</b></p> <p>馮宜萱女士</p> <p>世界綠色建築委員會 董事；</p> <p>香港建造業議會建築信息模擬專責委員會 主席；</p> <p>香港綠色建築議會 董事；</p> <p>香港建築師學會 前任會長；</p> <p>香港建造業議會安全專責委員會 前任主席</p> <p>Session-lead Speech/Paper</p> |

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|                    | <b>Conference Hall 04+05,<br/>Convention Centre 2, Hong Kong Science Park<br/>香港科學園會議中心 2 -會議廳 04+05</b>  |                    | <b>Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br/>Convention Centre 2, Hong Kong Science Park<br/>香港科學園會議中心 2 -會議廳 06+07<br/>(提供中、英文同聲傳譯)</b>   |
| 09:45-10:30        |   | 09:45-10:30        | <b>„ Let’s talk about energy “- Green Energy as the Key Question for Green Cities and Buildings</b> Prof. Wolfgang Dokonal,<br><br>Associate Professor, Institute of Urbanism, Graz University of Technology, Austria;<br><br>Former President, Education and research in Computer Aided Architectural Design in Europe (eCAADe)<br><br><b>“我們來談談能源” – 綠色能源作為綠色城市和綠色建築的關鍵問題 (TBC)</b><br><br>竇銳教授<br><br>奧地利格拉茨技術大學城市化研究所 副教授；<br><br>歐洲電腦輔助建築設計與教育學會 前任會長 |
| 10:30-10:45        |   | 10:30-10:45        | Tea Break / 茶歇   |
| <b>Time<br/>時間</b> | <b>Session A1: Green Building Development in Tropical &amp; Subtropical Regions<br/>分論壇 A1: 熱帶、亞熱帶（夏熱冬暖）地區綠色建築的發展與探索</b>                        | <b>Time<br/>時間</b> | <b>Session B: Sustainable Engineering for Construction, Heating, Refrigerating and Air-Conditioning<br/>分論壇 B: 可持續建造、暖通、冷凍及空調工程技術</b>  |
| 10:45-12:30        | 題目：構建標準體系，研究適宜技術—福建省綠色建築發展<br>Topic: English topic is to be confirmed<br><br>講者：侯偉生教授，教授級高級工程師；福建省海峽綠色建築發展中心 主任；<br><br>福建省建築科學研究院有限責任公司 顧問總工程師 | 10:45-11:00        | How smart can your HVAC be?<br>暖通系統可以有多智慧<br><i>Louie CHENG, Mark RICHARDSON</i>   |
|                    |   | 11:00-11:15        | Ultra-low GWP Alternatives to HFC Refrigerants: Safety Analysis<br><i>Benjamin Ho Pui LAM</i>  |
|                    |   | 11:15-11:30        | 管路模擬技術應用於空調冰水系統 TAB 之研究<br><i>江沅晉，洪聖博，王獻堂，陳偉倫，彭志傑</i>  |
|                    |   | 11:30-11:45        | 機房群控技術的發展催生複雜綠色空調系統的誕生<br><br>The Development of The Chiller Plant Group Control System has Spawned a Complex Green Air Conditioning System<br><br>林衛東，戴文獻<br><br><i>Weidong LIN, Wenxian DAI</i>  |



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|             | <div>Conference Hall 04+05,<br/>Convention Centre 2, Hong Kong Science Park<br/>香港科學園會議中心 2 -會議廳 04+05</div>  |             | <div>Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br/>Convention Centre 2, Hong Kong Science Park<br/>香港科學園會議中心 2 -會議廳 06+07<br/>(提供中、英文同聲傳譯)</div>                                   |
|             | <div>講者：顧磊教授，教授級高級工程師，中建鋼構有限公司首席結構工程師</div> <div>題目：夏熱冬暖地區的綠色建築實踐</div> <div>Topic: Green Building Practice in Subtropical Region</div> <div>講者：關旋暉教授，教授級高級工程師；佛山市建築節能協會 理事長；廣東南海國際建築設計有限公司 董事</div> <div>題目：主被動技術的巧妙結合</div> <div>Topic: English topic is to be confirmed</div> <div>講者：羅多女士，珠海市綠色建築協會 秘書長；中國興業太陽能技術控股有限公司集團 總工程師兼任研究院院長</div> | 11:45-12:00 | <div>夏熱冬暖地區數據機房二次放冷水蓄冷空調系統研究</div> <div>Research on Secondary Cooling Water Storage Air Conditioning System for Data Center in Hot Summer and Warm Winter areas</div> <div>戴文獻，林衛東</div> <div>Wenxian DAI, Weidong LIN</div> |
|             |   | 12:00-12:15 | <div>工業化建築的精益價值鏈設計與評價研究</div> <div>Research on Lean Value Chain Design and Evaluation of Industrial Buildings</div> <div>陸逸淳</div> <div>Yichun LU</div>  |
| 12:30-13:30 | Lunch Time / 午餐   | 12:30-13:30 | Lunch Time / 午餐  |
|             |   |             |  |
|             | <div>Conference Hall 04+05,<br/>Convention Centre 2, Hong Kong Science Park<br/>香港科學園會議中心 2 -會議廳 04+05</div>  |             | <div>Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br/>Convention Centre 2, Hong Kong Science Park<br/>香港科學園會議中心 2 -會議廳 06+07<br/>(提供中、英文同聲傳譯)</div>                                   |
| Time<br>時間  | <div>Session A2: Green Building Development in Tropical &amp; Subtropical Regions 分論壇</div> <div>A2：熱帶、亞熱帶（夏熱冬暖）地區綠色建築的發展與探索</div>  | Time<br>時間  | <div>Session C：Approach for Sustainable Environment, Behavior and Society 1</div> <div>分論壇 C：引導可持續環境、行為與社會的方法探索 1</div>  |
| 13:30-15:25 | <div>题目：BIM 改變綠色建築設計</div> <div>Topic: BIM Changes Green Building Design</div> <div>講者：謝潔敏女士，高級建築師；廣西建工集團第三建築工程有限責任公司（BIM 研究設計院） 院長</div> <div>题目：澳門大學綠色校園發展現況簡介</div> <div>Topic: Introduction of Green Campus Development University Macau</div>  | 13:30-13:45 | <div>Architecture, Productive Landscape and Regenerative Design</div> <div>Thomas CHUNG</div>  |
|             |   | 13:45-14:00 | <div>Advancement of Aquaponics System with Integration of Sustainable Strategies</div> <div>魚菜共生與可持續科技的融合和發展</div> <div>Hiu Yue SZE-TO, Sze Yan CHAN</div>   |
|             |   | 14:00-14:15 | <div>Window Opening Behavior in High Density Housing Development in Subtropical Climate</div> <div>Minjung MAING, SibeI LIU</div>  |

|             | Conference Hall 04+05,<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 04+05   |             | Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 06+07<br>(提供中、英文同聲傳譯)  |
|-------------|---|-------------|---|
|             | 講者：林智明先生，澳門大學校園管理與發展部能源處 處長；澳門物業設施管理協會 副理事長<br><br>題目：典型山地城市綠色建築解決方案實例<br>Topic: Green Building Solution Example for Typical Mountain City<br><br>講者：丁勇教授，重慶市建築節能協會綠色建築專業委員會 副主任兼常務副秘書長；重慶大學城市建設與環境工程學院 教授<br><br>題目：論湖南綠色建築發展的五大適宜技術<br>Topic: The Development Ideas and Five Appropriate Technologies of Green Buildings in Hunan Province<br><br>講者：曹峰先生，湖南省建設科技與建築節能協會綠色建築專業委員會 副秘書長；湖南省建築設計院有限公司 高級工程師<br><br>題目：關於地下停車場智慧照明節能改造的探討<br>Topic: Discussion on Energy Saving Retrofit Scheme of Intelligent Lighting in Underground Parking Lot<br><br>講者：王雪松先生，山東優住環境科技有限公司 總經理；大連市綠色建築行業協會 企業代表 | 14:15-14:30 | Social Sustainability of Green Building: Green Features, Living Comfort and Well-Being<br><i>Danlei ZHANG, Yong TU</i>  |
|             |   | 14:30-14:45 | The Challenges and Opportunities in Practicing Green Campus and Green Education in an Existing Typical Post 2000’s Secondary School in Hong Kong by Introducing a Smart Cloud-Based Electricity Metering System<br><i>Zhidogn ZHANG, Xuan LIU, Yu Chau Stephen YIM, Nuojia WU</i> |
|             |   | 14:45-15:00 | K-12 中小學全校式能源管理教育設計<br>The Design of K-12 Whole School Approached Energy Management Education Program<br><i>陳楊文，曾詩琴，陳鯨，陳翎</i><br><i>Vincent Y. CHEN, Shie Khim CHANG, Jing CHEN, Lin CHEN</i>   |
|             |   | 15:00-15:15 | Implementation of Therapeutic Landscapes through Urban Farm Approach in High-density Urban Context: Hong Kong as an Example<br><i>Ming Chun CHAO, Katerina TSOU, Jin Yeu TSOU</i><br><i>趙明君，Katerina TSOU，鄒經宇</i>   |
| 15:15-15:30 |   | 15:15-15:30 | Tea Break / 茶歇  |
|             |   |             |   |
|             | Conference Hall 04+05,<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 04+05   |             | Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 06+07<br>(提供中、英文同聲傳譯)  |
| Time<br>時間  |   | Time<br>時間  | Session D: Strategy and Technology for Building Performance Optimization 1<br>分論壇 D：建築性能優化策略與技術 1   |

|             | Conference Hall 04+05,<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 04+05 |             | Conference Hall 06+07 (Provide Simultaneous Interpretation in Chinese and English),<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 06+07<br>(提供中、英文同聲傳譯)   |
|-------------|---|-------------|--|
| 15:30-15:45 |   | 15:30-15:45 | Outdoor Air Pollution Mitigation Technologies: Research, Application and Implication<br>室外空氣污染淨化科技：研究及成果<br><i>Kollsman CHAN, Jimmy C. K. Tong, Jill LEUNG, Melody Wong, W. H. LEUNG</i>   |
| 15:45-16:00 |   | 15:45-16:00 | The Energy Efficiency of Moisture Buffering Materials Applied in a Typical Residential Unit in Taiwan<br><i>Yu-Chun YEH, Yaw-Shyan TSAY</i><br>葉育君，蔡耀賢   |
| 16:00-16:15 |   | 16:00-16:15 | A Research of Short-Term Performance Verification Standard for Solar PV Systems on Green Buildings<br>綠建築太陽光電系統性能短期驗證標準研究<br><i>Jiunn-Min CHANG, Muhammad Anwar b IBRAHIM, Hsien-Tung WANG, Gilang Achmad SUPRUDIN, Jiun Yang LIU</i><br>張俊民，穆汗斌，王獻堂，蘇儒定，劉俊暘                                     |
| 16:15-16:30 |   | 16:15-16:30 | 建築外殼能耗分析<br><i>王獻堂，陳相侖，王昱中，陳偉倫</i>   |
| 16:30-16:45 |   | 16:30-16:45 | A Study on the Kaohsiung House Discourse from the Perspective of Technological History<br><i>I-chieh CHEN, Yu-pin MA, Cheng-chou WU</i>  |
| 16:45-17:00 |   | 16:45-17:00 | 以綠建築大數據方法智慧管理宜蘭住宅節能<br>The Utilization of Green Building Big Data in household Energy Management System in Yilan County<br><i>陳楊文，黃淑華，陳鯨，陳翎</i><br><i>Vincent Y. CHEN, Shu Hua HUANG, Jing CHEN, Lin CHEN</i>  |
| 17:00-17:15 |   | 17:00-17:15 | Autonomous Building Policy for Diversified Photovoltaic Applications and Practices in Kaohsiung<br>高雄地區建築自治條例的多元型光電應用與施行政策<br><i>Yen-yi LI, Chi-ming HUANG, Chun-chang CHIANG, Pin-chieh TSENG, Ching-sheng CHAO, Po-ren CHUNG, Wei-ting WU, Wan-wen CHEN</i><br>李彥頤，黃志明，江俊昌，劉中昂，餘俊民，鐘博任，鐘舒安，陳婉文 |
| 19:00-21:30 | Conference Dinner / 大會晚宴  | 19:00-21:30 | Conference Dinner / 大會晚宴   |

18 November 2018 (Sunday) / 2018 年 11 月 18 日 ( 星期日 )

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|--------------------|--|--------------------|---|--------------------|---|
|                    | <b>Fun With The Nature Exhibition / Fun With The Nature 展覽</b><br><b>Conference Hall 04+05, Convention Centre 2, Hong Kong Science Park</b><br><b>香港科學園會議中心 2 -會議廳 04+05</b> |                    | <b>Conference Hall 06 (Provide Simultaneous Interpretation in Chinese and English),</b><br><b>Convention Centre 2, Hong Kong Science Park</b><br><b>香港科學園會議中心 2 -會議廳 06</b><br><b>(提供中、英文同聲傳譯)</b>  |                    | <b>Conference Hall 07,</b><br><b>Convention Centre 2, Hong Kong Science Park</b><br><b>香港科學園會議中心 2 -會議廳 07</b>  |
| <b>Time<br/>時間</b> | <b>Fun With The Nature Exhibition /<br/>Fun With The Nature 展覽</b>   | <b>Time<br/>時間</b> | <b>Session E: Strategy and Technology for Building Performance Optimization 2</b><br><b>分論壇 E：建築性能優化策略與技術 2</b>   | <b>Time<br/>時間</b> | <b>Session F: China Green Building Council Hot Summer and Warm Winter Zone Green Building Expert Group Establishing and Technology Forum</b><br><b>分論壇 F：中國城科會綠建委<br/>夏熱冬暖专家組成立會暨技術論壇</b> |
| 08:30-09:00        | Registration / 註冊報到  |                    |   |                    |   |
| 09:00-10:30        | Fun With The Nature Exhibition /<br>Fun With The Nature 展覽   | 09:00-09:15        | 以多重代理者理論解決室內空氣品質控制的複雜問題<br>Use of multi-agent theory to resolve complex indoor air quality control problems<br><i>陳上元</i><br><i>Shang-yuan CHEN</i>   | 09:00-09:15        | 致辭：王有為 教授<br>中國城市科學研究會綠色建築與節能專業委員會 主任委員<br><br>演講：<br><br>講者：梁章懸 教授<br>福建省建築設計研究院 總建築師<br><br>講者：孟慶林 教授<br>華南理工大學建築學院 教授<br><br>講者：汪杰 先生<br>南京長江都市建築設計股份有限公司 董事長<br><br>講者：王珂 博士          |
|                    |  | 09:15-09:30        | 綠色建築室內熱環境評價對比分析<br><i>何玥兒</i><br><i>Yueer HE</i>  | 09:15-09:30        |   |
|                    |  | 09:30-09:45        | Field Measurements of Stack Effect of High-rise Residential Buildings<br><i>Yi YANG, Xue-feng XIE, Teng-jun WAN</i>   | 09:30-09:45        |   |
|                    |  | 09:45-10:00        | Twind Turbine: Possible Application of Wind Energy Harvesting Device in Urban Areas<br>Twind 渦輪機: 探討風能城市中的應用<br><i>Chiu Yee LEUNG, Wah Shing LAM, Yee Ting WONG</i>   | 09:45-10:00        |   |
|                    |  | 10:00-10:15        | 透天厝梯間頂板采設置不同模式之導風型式對室內自然通風效益之研究<br>Preliminary Study on Natural Ventilation Efficiency of Different Inlet Angle of Roof Baffle Panels on Staircases in Traditional Taiwan Townhouse<br><i>Jia-hsiung LIN, Jun-ting LEE, Wei-ting HSU, Yen-yi LI</i><br><i>林嘉雄, 李鈞婷, 徐煒婷, 張博碩, 李彥頤</i> | 10:00-10:15        |   |

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|             |   | 10:15-10:30 | 基於標準高層建築模型煙囪效應的數值類比分析<br>Numerical Simulation Research of Stack Effect Based on a General High-rise Building Model<br><i>解學峰, 楊易</i><br><i>Xuefeng XIE, Yi YANG</i>                                   | 10:15-10:30 | 中國建築工程研究院立體綠化公司 總經理<br><br>講者：呂偉婭 教授<br>南京工業大學 教授<br><br>講者：張智棟 博士<br>城設設計集團 董事<br><br>講者：王香春 博士<br>中國城市建設研究院城市生態文明研究院 院長  |
| 10:30-10:45 | Tea Break / 茶歇  |             |   |             |  |
|             | Fun With The Nature Exhibition / Fun With The Nature 展覽<br>Conference Hall 04+05, Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 04+05 |             | Conference Hall 06 (Provide Simultaneous Interpretation in Chinese and English),<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 06<br><br>(提供中、英文同聲傳譯)                            |             | Conference Hall 07,<br>Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 07  |
| Time<br>時間  | Fun With The Nature Exhibition /<br>Fun With The Nature 展覽  | Time<br>時間  | Session G: Green Building Evaluation System and Green Building Implementation<br>分論壇 G：綠色建築評價系統與綠色建築實踐  | Time<br>時間  | Session H: Performance-based Approach for Urban Micro Climate Improvement<br>分論壇 H：績效導向方法於城市微氣候改善  |
| 10:45-12:30 | Fun With The Nature Exhibition /<br>Fun With The Nature 展覽  | 10:45-11:00 | 綠色建築專項規劃制定與實施研究<br>Research on Special Planning and Implementation of Green Building<br><i>張昌佳, 周全</i><br><i>Changjia ZHANG, Quan ZHOU</i>  | 10:45-11:00 | 城市綠帶與水域配置對於熱島效應影響之研究<br>Study on the Influence of Urban Green Belt and Water Area Allocation on Heat Island Effect<br><i>王文安, 連偉鈞</i><br><i>W.-a. WANG, W.-j. LIAN</i> |
|             |   | 11:00-11:15 | 綠建築標章之使用者認同度之計量實證探討<br>A Study of the Factors that Determine the Buyers' Preference of Green Building – An Empirical Study<br><i>溫世家, 徐瑋澤, 荷世平</i><br><i>Shih-chia WEN, Wei-che HSU, Shih-ping HO</i> | 11:00-11:15 | 建築物西向立面皮層降溫改善策略與效果研究<br>Study on Strategy and Effect of Cooling Improvement of Corridor in West Side of Building<br><i>王文安, 宋申閔</i><br><i>W.-a. WANG, S.-a. SUMG</i>   |

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|             |  | 11:30-11:45 | Commissioning 於綠建築(LEED,EEWH) 之應用比較<br>Commissioning Application Comparison between Green Building Rating Systems (LEED and EEWH)<br><i>王獻堂，陳偉倫，彭志傑</i>   | 11:30-11:45 | 透空式高層建築與鄰棟間距關係對於都市風環境之影響<br>Impact of the Opening Building and the Adjacent Building on the Urban Wind Environment<br><i>陳艇夫，蘇瑛敏</i><br><i>Ting-fu CHEN, Ying-ming SU</i>               |
|             |  | 11:45-12:00 | Pioneering Green Innovation in a “Platinum” Green Data Center at Tseung Kwan O Industrial Estate, Hong Kong<br>香港將軍澳工業邨一所鉑金級綠色數據中心作為開拓環保創新的先導者<br><i>Helen COCHRANE, Fredrick LEONG Lai Shing</i><br><i>郭凱倫，梁禮誠</i>   | 11:45-12:00 | 透空式高層建築開口造型及位置對風環境影響之研究<br>The Impact of Opening High-rise Building with Different Opening Type and Position on Wind Environment<br><i>李仲翊，蘇瑛敏</i><br><i>Chung-yi LI, Ying-,ming SU</i> |
|             |  | 12:00-12:15 | A “Platinum” Level Green Office Building in Hong Kong through Proactive Major Renovation by Sustainable Design<br>通過可持續設計及翻新工程打造一座鉑金級的香港綠色辦公大樓<br><i>Helen COCHRANE, Fredrick LEONG Lai Shing</i><br><i>郭凱倫，梁禮誠</i>   | 12:00-12:15 | 透空式建築植栽高度與孔隙率對於微氣候影響<br>Impact of Vegetation in Opening Buildings with Different Porosity Structure and Height on Microclimate .<br><i>葉沛廷，蘇瑛敏</i><br><i>Pei-ting YEH, Ying-ming SU</i> |
|             |  | 12:15-12:30 | The Promotion of Place-based Green Building Policy from Kaohsiung Housing Program<br>以高雄厝計畫探討因地制宜的綠色建築政策<br><i>Yen-yi LI, Chi-ming HUANG, Chun-chang CHIANG, Pin-chieh TSENG, Ching-sheng CHAO, Po-ren CHUNG, Wei-ting WU, Wan-wen CHEN</i><br><i>李彥頤，黃志明，江俊昌，曾品傑，趙慶升，鐘博任，伍偉廷，陳婉文</i> | 12:15-12:30 | 高層建築立面綠化植栽層對都市微氣候影響之研究<br>The Impact of Urban Microclimates with Vertical Greening for High-rise Building<br><i>陳于慈，蘇瑛敏</i><br><i>Yu-tzu CHEN, Ying-ming SU</i>                         |
| 12:30-13:30 | Lunch Time / 午餐  | 12:30-13:30 | Lunch Time / 午餐   | 12:30-13:30 | Lunch Time / 午餐   |
|             |  |             |   |             |   |
|             | Conference Hall 04+05, Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 04+05 |             | Conference Hall 06 (Provide Simultaneous Interpretation in Chinese and English), Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 06 (提供中、英文同聲傳譯)  |             | Conference Hall 07, Convention Centre 2, Hong Kong Science Park<br>香港科學園會議中心 2 -會議廳 07  |
| Time<br>時間  | Fun with the Nature Exhibition /<br>Fun With The Nature 展覽                                   | Time<br>時間  | Session I: Approach for Sustainable Environment, Behavior and Society 2<br>分論壇 I：引導可持續環境、行為與社會的方法探索 2   | Time<br>時間  | Session J: Sustainable Urban Planning and Application of ICT<br>分論壇 J：可持續城市規劃與信息通信技術之應用   |
| 13:00-15:00 | 活動登記<br>Registration   | 13:30-13:45 | Green Learning—E.CO Habitat<br>綠色學習：共生棲宿<br><i>Ping Hung Wallace CHANG</i><br><i>鄭炳鴻</i>  | 13:30-13:45 | Sponge City Development in Hong Kong<br><i>Andrew YT LEUNG</i>  |

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| <div><div>Fun With The Nature 展覽開幕式</div><div>Opening Ceremony of Fun With The Nature Exhibition</div><div>表演：聖道迦南書院綠色校園大使</div><div>Performances : Green School Ambassadors of the ECF Saint Too Canaan College</div><div>表演：大埔浸信會公立學校學生</div><div>Performances : Students Tai Po Baptist Public School</div><div>演講：節能與螢火蟲</div><div>Topic: Energy-saving &amp; fireflies</div><div>講者：梁錦波博士, 香港神託會培敦中學校長</div><div>Speaker: Dr. LEUNG Kam Bor, Sherman, Principle, Stewards Pooi Tun Secondary School</div><div>演講：綠色教育超越時空：聖道迦南書院的綠色校園教育經驗分享</div><div>Topic: Green Education transcends time: Experience sharing of the Green School Education at ECF Saint Too Canaan College</div><div>講者：徐潮妹女士，聖道迦南書院校長</div><div>Speaker: Ms. TSUI Chiu Mui, Celine, Principal, ECF Saint Too Canaan College</div><div>演講：保育及優化古舊校舍成為綠色智能學校的挑戰</div><div>Topic: Meeting the Challenge of Rehabilitation and Transformation of an Old School Building into a Smart School</div><div>講者：曾家求先生，香港培道小學校監/學校管理委員會主席，中國綠色建築與節能（香港）委員會綠標經理</div></div> | 13:45-14:00 | <div>Socio-ecobalanced Community Construction – Delivering Sustainable Rural Community Centres in China</div> <div><i>Lin HAO</i></div> <div>郝琳</div>  | 13:45-14:00 | <div>A Study of BIM-based Green Building Assessment—using ArchiCAD Add-on as an Example</div> <div>基於 BIM 的綠色建築評估研究—以 ArchiCAD 插件為例</div> <div><i>Yanrou LUAN, Yutao WEN, Huai YIN</i></div> <div>樂燕柔，文字韜，鄺槐</div>   |
|  | 14:00-14:15 | <div>Adaptive House Development in South China: Building Resilience through Ecosystem-based Biomimetic Design</div> <div><i>Wilson, W.Y. YIK</i></div>   | 14:00-14:15 | <div>The Application of Big Data Technology to Urban Planning and Management: A Case Study of Tourism System in Yantian District, Shenzhen</div> <div>大數據技術在城市規劃與管理中的應用：以深圳市鹽田區旅遊系統為例</div> <div><i>Qi GUAN, Siqiang WANG</i></div> <div>管琪，王思強</div>                              |
|  | 14:15-14:30 | <div>The Research on the Opportunities and Challenges of Green Industry Market under Green Financial System in China</div> <div>中國綠色金融體系下綠色產業市場的機遇與挑戰研究</div> <div><i>Siqi ZHENG, Zhidong ZHANG</i></div> <div>鄭思琦，張智棟</div>           | 14:15-14:30 | <div>基於無人機低空遙感及動態辨識方法來探討城市林蔭道綠視率分析之研究</div> <div>A Study on the Green Looking Ratio and Comfort Analysis of Urban Avenue Based on UAV Low-altitude Remote Sensing and walking Dynamic identification</div> <div><i>劉錫睿，張效通</i></div> <div><i>Xirui LIU, Hsiao-tung CHANG</i></div> |
|  | 14:30-14:45 | <div>Green Buildings in Cross-strait Region: Commissioning Process or Procedure for Quality</div> <div><i>Leo CF WONG, James LW KUNG, Tony CH CHAN</i></div>   | 14:30-14:45 | <div>超高齡環境下之社會網絡及空間需求關係初探—以高雄市田寮區為例</div> <div>A study Super-aged Environment between Social Network and Space Requirement—Take the TienLiao District of Kaohsiung City case</div> <div><i>陳玉霜，蘇瑛敏</i></div> <div><i>Yu-shuang CHEN, Ying-ming SU</i></div>                        |
|  | 14:45-15:00 | <div>Transforming Hong Kong Building Regulatory Framework to Address the Adoption of Cross-Laminated Timber: Insights from the Case of UK</div> <div>香港建築監管框架的轉型，聚焦正交膠合木的應用：英國案例思考</div> <div><i>Gianni TALAMINI, Mengyu SUN</i></div> | 14:45-15:00 | <div>Towards a Thermal Comfortable and Walkable Neighborhood Environment for the Elderly in Hong Kong</div> <div><i>Sibei LIU, Minjung MAING, Beisi JIA</i></div>  |

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|                    | <p>Speaker: Mr. TSANG Ka Kau, Thomas,<br/>Supervisor/Chairman of Management Committee<br/>of Hong Kong Pooi To Primary School, GBL<br/>Manager of China Green Building (Hong Kong)<br/>Council</p> <p>演講：實踐可持續環境及科普教育 - 香港神託會培敦中學「螢火蟲生態教育廳」</p> <p>Topic：Implement Sustainable Environmental Education - Stewards Pooi Tun Secondary School "Firefly Eco-education Gallery"</p> <p>講者：麥肇峰先生，螢火蟲保育基金會主席</p> <p>Speaker: Mr. MAK Siu Fung, Mark, Chairman of Firefly Conservation Foundation</p> |                    |   |                    |  |
| 15:00-15:15        | Tea Break / 茶歇   | 15:00-15:15        | Tea Break / 茶歇  | 15:00-15:15        | Tea Break / 茶歇   |
|                    | <p><b>Conference Hall 04+05, Convention Centre 2, Hong Kong Science Park</b></p> <p><b>香港科學園會議中心 2 -會議廳 04+05</b></p>  |                    | <p><b>Conference Hall 06 (Provide Simultaneous Interpretation in Chinese and English), Convention Centre 2, Hong Kong Science Park</b></p> <p><b>香港科學園會議中心 2 -會議廳 06 (提供中、英文同聲傳譯)</b></p>   |                    | <p><b>Conference Hall 07, Convention Centre 2, Hong Kong Science Park</b></p> <p><b>香港科學園會議中心 2 -會議廳 07</b></p>  |
| <b>Time<br/>時間</b> | <p><b>Fun with the Nature Exhibition /</b></p> <p><b>Fun With The Nature 展覽</b></p>  | <b>Time<br/>時間</b> | <p><b>Session K: Strategy and Technology for Building Performance Optimization 2</b></p> <p><b>分論壇 K: 建築性能優化策略與技術 2</b></p>   | <b>Time<br/>時間</b> | <p><b>Session L: Adaptive and Sustainable Urban Space Design</b></p> <p><b>分論壇 L：適宜性與可持續城市空間設計</b></p>   |
| 15:15-17:00        | <p>學生作品介紹</p> <p>Student Project Sharing</p> <p>表演：大埔浸信會幼稚園小朋友</p> <p>Performances: Children of Tai Po Baptist Kindergarten</p> <p>頒獎典禮</p> <p>Awarding Ceremony</p>   | 15:15-15:30        | <p>Trial Use of Computer Model &amp; Thermography Equipment for Enhancing a Salt Water Pumping Station: Technical Solution for Asset and Energy Efficiency Improvement in Hong Kong<br/>試行資源模型和熱成像改善海水供水系統：優化及提升香港公用設備及能源效益的技術方案<br/><i>Felix CHAN, Chi Chung LEUNG, Tom LEE</i><br/><i>陳振康，梁志聰，李子鏗</i></p> | 15:15-15:30        | <p>徽州古民居“天井”建築空間的營造生態研究<br/>Study on the construction ecology of "courtyard" space in Huizhou ancient houses<br/><i>劉哲軍</i><br/><i>Zhe-jun LIU</i></p>   |
|                    |  | 15:30-15:45        | <p>Promoting Sustainable Development of Green Buildings by Integrating Building Information Modeling (BIM) into Construction Contract<br/><i>Po-han CHEN, Thuy Ninh DAO</i></p>   | 15:30-15:45        | <p>Research on the Application of Carbon Equilibrium on Environmental Externally Feedback Mechanism: Based on the Study of Urban Renewal Planning in Shenzhen<br/>研究碳平衡在環境外部性反饋機制中的應用：以深圳市城市更新規劃為例<br/><i>Chen YUAN, Yen-yi LI</i><br/><i>袁晨，李彥頤</i></p> |



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|  | 大會閉幕式<br>Conference Closing Ceremony | 15:45-16:00 | Optimizing Construction Material Transportation Plan Using the Integration of BIM and Web-map-services<br><i>Po-han CHEN, Pei-jung SHIH, Thanh-chuong Nguyen</i> | 15:45-16:00 | 熱帶裝配式輕木建築的可持續設計——以保羅·魯道夫的兩個作品為例分析<br>Sustainable Design of Tropical Fabricated Light Wood Architecture-A Study based on Two Works of Paul Rudolph<br><i>蘭欣寧, 莊少龐, 楊天朗, 李珪君</i><br><i>Xinning LAN, Shaopang ZHUANG, Tianlang YANG, Junjun LI</i> |
|  |                                      | 16:00-16:15 | 基於 BIM 技術的裝配式建築施工階段應用探究<br>Research of BIM Application in Construction Stage of Prefabricated Buildings<br><i>王欽民</i><br><i>Qinmin WANG</i>                      | 16:00-16:15 | Quantitative Research of Comparative on Spatial Organization of Traditional Private Gardens in Guangdong and Taiwan in Late Qing Dynasty<br><i>Chaowen HU, Hsiao-tung Chang</i><br><i>胡超文, 張效通</i>  |
|  |                                      | 16:15-16:30 | Solar Glare Control: Insights into Hong Kong<br>太陽眩光：香港的見解<br><i>Yee Ting WONG, Chiu Yee LEUNG, Wai Pang CHANe</i>   | 16:15-16:30 | A Critical Review for the Research of Urban Hotspots : Time, Space and Threshold<br>城市熱點之批判性回顧：時間，空間與閾值<br><i>Changchang WANG, Hsiao-tung CHANG</i><br><i>王常暢, 張效通</i>  |