The Thirteenth
International Conference on Green and Energy-Efficient Building

&

New Technologies and Products Expo

March 21 – 22, 2017
China National Convention Center (CNCC)
REVIEW
Launched by the Ministry of Housing and Urban-Rural Development, P. R. China since 2005, the annual “International Conference on Green and Energy-efficient Building & New Technologies and Products Expo” has proved to be an increasing success through 12 years development. With more and more supports from around the world, now the IGEBC has ranked the most influential event with the largest scale in the green building industry in China, and sees each year over 3000 participants, including more than 300 high-ranking officials, renowned experts and specialists, along with more than 300 exhibitors at home and abroad.

CONFERENCE THEME:
Improving Green Building Quality, Promoting Energy Conservation and Low Carbon Development

ORGANIZERS
Chinese Society for Urban Studies
US China Green Fund
China Green Building Council
Eco-City Research Committee of China

SUPPORTERS
Ministry of Housing and Urban-Rural Development, P. R. China
Ministry of Science and Technology, P. R. China
National Development and Reform Commission, P. R. China
Ministry of Finance, P. R. China
Ministry of Environmental Protection, P.R. China
Ministry of Industry and Information Technology, P. R. China
State Administration of Foreign Experts Affairs, P. R. China
Global Environment Facility
Directorate-General for Energy, European Commission
UK Trade & Investment
U. S. Department of Energy
The Energy Foundation
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)
French Ministry of Ecology, Sustainable Development, Transport and Housing
Ministry of Natural Resources, Canada
Canada Mortgage and Housing Corporation
Building and Construction Authority of Singapore
Construction Industry Development Council of India
World Green Building Council
Embassy of the United States of America in China
Embassy of the Republic of France in China
British Embassy in China

**CO-ORGANIZERS**
Science and Technology Development Promoting Center, MoHURD
The Architectural Society of China
China Civil Engineering Society
Chinese Society of Landscape Architecture
China Real Estate Association
China Exploration and Design Association
China Construction Industry Association
China Construction Metal Structure Association
China Construction Supervision Association
China Building Decoration Association
China Association of Urban Environmental Sanitation
China Gas Association
China Urban Heating Association
China Urban Water Association
China Association for Engineering Construction Standardization
China Building Materials Federation
Practice Qualification Registration Center of Ministry of Housing and Urban-Rural Development
The Chartered Institute of Building Services Engineers (UK)
The Institution of Engineering and Technology (UK)
The UK-China Eco-cities & Green Building Working Group (UK)
US Green Building Council (USGBC)
Canada Wood Group (CWG)
Canada Green Building Council (CGBC)
Singapore Green Building Council (SGBC)
French Global Environment Facility (FFEM)
French Environment and Energy Control Corporation (ADEME)

**PROMOTER**
Beijing Buddy Conference Co., Ltd
Beijing Egaia Culture Development Co., Ltd.

**DESIGNATED WEBSITE**
Energy World (www.chinagb.net)
CONFEREECE BACKGROUND:

During the period of the 13th Five-Year Plan, China is in an important period of strategic opportunities for both economic structure adjustment and energy transition. The new idea of green development, which was proposed on the Fifth Plenary Session of CPC Eighteenth Central Committee, is a leading concept and method to guide Chinese scientific development during the 13th Five-Year Plan or even in a broader long term, which provides a rare historical opportunity for promoting green building development and its related techniques. Therefore, to develop green buildings can not only improve the living environment and people’s livelihood, but also was identified as Chinese strategic instruction and ways to implement ecological civilization in new period. Under this context, the 13th IGEBC will be held at CNCC, sticking to serving as the platform for promoting Green Building industry in China and around the world, and leading China’s energy conservation and environmental protection.

CONFERENCE

1. Date & Venue
   Date: March 21-22, 2017 (Register on March 20)
   Venue: China National Convention Center (CNCC)

2. Conference Topics
   1. Design Theory, Technology and Practice of Green Building
   2. Green Intelligent Building and Big Data Analysis
   3. Green Building and Living Quality Improvement
   4. Green Renovation and Performance Improvement of Existing Building
   5. Operation and Supervision on Energy Saving in Large Public Building
   7. Green Building Materials and External Envelope Structures
   8. Latest Development of Renewable Energy Application in Building
   9. Application of Building Waste
   10. Sound Development of Green Real Estate
   12. The Latest Development of Green Construction
   13. Green Campus
   14. Green Ecological Urban Area
   15. Green Industrial Building
   16. Application of BIM in Green Building
   17. Sponge City Practices and Development
   18. Prefabricated Construction Design & Case Studies
   19. Prefabricated Construction Management and Quality Test
20. Green Development of Characteristic Towns
21. Operation Management of Green Building
22. Underground Pipeline Research & Development
23. Ecological Livable Environment Construction
24. Passive Building Design and Application
25. Green, Building, Humanities Spirit
26. Youth Commission Forum
27. Healthy Building Theory and Practice
28. Green Airport Planning, Construction and Evaluation

3. Participants:
Heads and delegates form governments at all levels and departments of construction, technology, development and reform, environmental protection, finance and industry; delegates, well-known scholars, experts and researchers from organizations and associations at home and abroad related to green building and energy-efficient building; design and construction units, engineering company, real estate company, project contracting enterprise, survey and design company, construction decoration company, energy conservation product manufacturers, financial institutions; members of Chinese Society for Urban Studies; experts, teachers and students from relevant research institutes, colleges and universities; anyone who is interested in green building and energy-efficient building.

4. Conference Agenda

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>CONTENT</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 20, 2017</td>
<td>Full-day</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>March 21, 2017</td>
<td>Morning</td>
<td>Opening Ceremony</td>
<td>Full-day Expo</td>
</tr>
<tr>
<td></td>
<td>Afternoon</td>
<td>Plenary Session</td>
<td></td>
</tr>
<tr>
<td>March 22, 2017</td>
<td>Full-day</td>
<td>Sub-Forums</td>
<td></td>
</tr>
</tbody>
</table>

EXPO

1. Date & Venue
   Date: March 21-22, 2017 (Extension of 2 Days)
   Venue: China National Convention Center (No.7, Tianchen East Rd., Chaoyang District)

2. Expo Scope
   1) Design Theory, Technology and Practice of Green Building
      ◆ Overall design proposals of green, energy conservation and intelligent building
      ◆ Cases of real estate development of green building
   2) Intelligentization and Digitalization Technologies of Green Building
      ◆ Automatic system for buildings
      ◆ Power system for buildings
Intelligent community
Intelligent network communication system
Integrated and development technologies of business application system
Environment control system
Office automation and information service in business districts
Green Building property management

3) Low-carbon and Environmental Friendly Technologies and Products
Technologies and equipment for rainwater collection and grey water utilization
Technologies and equipment for treating, recycling and reusing the solid waste
Environmental Greening configuration technologies
Technologies and equipment for indoor air quality control
Analysis and calculation software for low-carbon community

4) Technologies and Products of Green Building Materials
Ecological auxiliary materials and renewable materials
Doors and windows of the building and the supporting hardware
Chemical building materials
Indoor decoration materials
Kitchen and bathroom facilities and the supporting hardware
Water-saving equipment
Electro-technique and electric in buildings
Building materials and techniques for various buildings
Steel structure and metal products

5) New Light Sources and Technologies in Green Illumination
Semi-conductor illumination products in building and city
Digitized, intelligent and integrated energy conservation system for city illumination

6) Practices of Green Real Estate
Introduction of the green real estate projects
Appropriate techniques of the green real estate
Property management of the green real estate

7) Technologies and Engineering Practice for Energy-saving Renovation of Existing Buildings
Overall design schemes and project cases of energy-saving renovation for existing building
Techniques and equipment of energy-saving renovation for existing building

8) Engineering Practice of Renewable Energy Application in Buildings
Application and demonstration of utilization techniques of solar energy, ground source heat pumps, wind source heat pumps, wind source and other new energies applied to buildings
9) **Operation and Supervision on Energy Saving in Large Public Buildings**
  - Showcases of operation and supervision on energy conservation in large public buildings and energy conservation service market

10) **Technologies of Green Constructing**
  - Demonstrative projects of green constructing technologies
  - Technologies, technics and equipment of green constructing

11) **Technologies and Products for Energy-efficiency in Buildings**
  - Highly efficient heating and air conditioning equipment
  - Efficiency improving technology of heating system
  - System optimization design and operation technologies of HVAC
  - Technologies for efficient Water supply & drainage and hot-water supply

12) **Energy-saving Technologies for External Envelope Structures**
  - New materials for wall insulation, green insulation materials for building
  - Advanced energy-efficient curtain wall materials
  - Technique system study of external wall insulation
  - External wall insulation materials and product development

13) **Reform in Heat-Supply Metering and Energy-Efficient Building**
  - Demonstrative projects of heating system reform
  - Latest technologies of heating metering, successful examples and design schemes of metering reform
  - Heating equipment and ventilation systems
  - Technologies and equipment of Energy-efficient HVAC and gas-powered water-warming
  - New technologies and products on heating metering and the detecting & charging system

14) **Green Campus**
  - Actual Project Cases in Green Campus
  - Energy consumption measuring and monitoring system in Campus
  - Water-saving technologies and products in Campus
  - Technologies of utilization in nontraditional water source in Campus
  - Technologies of environment control in Campus Lab

15) **Low-carbon Community**
  - Products related environmental technologies
  - Technologies and products on environmental protection
  - Technologies and products on regional environment quality improving
  - Technologies and products on indoor environment quality improving
  - Technologies and products on Energy conservation

16) **Green industrial building:**
Assessment methods for green industrial building;
Applicable technologies and products and construction for green industrial building
Engineering cases of green industrial building.

17) Timberwork Building:
- Timber structure related standards and norms;
- design and construction technology for Timberwork building;
- Timberwork building system;
- building materials and components for Timber structure;
- Timberwork building cases.

18) Housing Industrialization:
- Housing industrialization related technologies and products, excellent components
demonstration projects and successful stories of housing industrialization,
- Green building and prefabricated building related technologies, products and engineering practice.

3. Exhibitors
- Architectural design companies
- Real estate development companies
- Consulting firm
- Green construction material enterprises
- Energy-efficient enterprises
- Finance and investment organizations
- Research institutions
- Construction enterprises
- Governments and etc.
In addition to the booth for single enterprise, we also provide exhibition districts for provincial groups and large construction materials.

Organizing Committee Office
Contact: Cindy Chang, May Liu, Nick Li, He Mengdi, Qian Hanying, Sun Xiaqing
Tel: +86 10 58933591, 58933559, 58933584, 58934783
Fax: +86 10 58933632
E-mail: dost-moc@mail.cin.gov.cn, igbc@chinagb.net
Wechat: chinagb_net
Website: www.chinagb.net
Address: Room 201, CSUS Office Building, Ministry of Housing and Urban-Rural Development. P. R. China, No. 9, Sanlihe Road, Haidian District, Beijing, China 100835
**TENTATIVE TRIP ITINERARY**

<table>
<thead>
<tr>
<th>Date/ Day</th>
<th>Time</th>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Day 1</strong>&lt;br&gt;19 Mar (Sun)</td>
<td>0845</td>
<td>Depart Singapore for Beijing via S802</td>
</tr>
<tr>
<td></td>
<td>1450</td>
<td>Arrive in Beijing</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>Check-in to Hotel China National Convention Center Grand Hotel 国家会议中心大酒店</td>
</tr>
<tr>
<td><strong>Day 2</strong>&lt;br&gt;20 Mar (Mon)</td>
<td>AM</td>
<td>Meeting with Asian Infrastructure Investment Bank (AIIB)</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>Meeting with China Jinmao Holdings Group</td>
</tr>
<tr>
<td><strong>Day 3</strong>&lt;br&gt;21 Mar (Tue)</td>
<td>AM</td>
<td>13th Beijing International Conference on Green and Energy-Efficient Building &amp; New Technologies and Products Expo (IGEBC) Opening Ceremony</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>13th Beijing IGEBC Plenary Sessions</td>
</tr>
<tr>
<td><strong>Day 4</strong>&lt;br&gt;22 Mar (Wed)</td>
<td>AM</td>
<td>13th Beijing IGEBC Series Forum Singapore Green Building Forum Exhibition (Singapore Pavilion)</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>13th IGEBC Series Forum</td>
</tr>
<tr>
<td><strong>Day 5</strong>&lt;br&gt;23 Mar (Thur)</td>
<td>AM</td>
<td>Depart for Tianjin</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>Meeting with Tianjin Eco-city Administrative Committee (ECAC) and Sino-Singapore Tianjin Eco-city Investment and Development Co. Ltd</td>
</tr>
<tr>
<td><strong>Day 6</strong>&lt;br&gt;24 Mar (Fri)</td>
<td>AM</td>
<td>Site Visit</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>Depart Tianjin for Beijing Capital International Airport</td>
</tr>
<tr>
<td></td>
<td>1640</td>
<td>Depart Beijing for Singapore via SQ807</td>
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</tbody>
</table>

*Note: The programme is subject to change.*
## ESTIMATED TRIP COSTS

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount (SGD)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Exhibition (Singapore Pavilion) and Forum Package</strong></td>
<td><em><em>SGD 4,000</em>/ company</em>*</td>
<td><strong>Payment to be made by cheque to “Building and Construction Authority”</strong></td>
</tr>
<tr>
<td><em>This is a special subsidised package rate for participating companies in the Singapore Pavilion</em></td>
<td></td>
<td>^Land transport will be provided for all meetings arranged by BCA. Airport transfers will be provided for the delegation flights (as per itinerary)</td>
</tr>
<tr>
<td><strong>Package includes:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. 1 booth space in customised designed Pavilion (9sqm) at the IGEBC 2017 (inclusive of space rental, build-up structure, printing of posters (2 X A1 sized))</td>
<td></td>
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<tr>
<td>b. 1 speaking slot at the Singapore Green Building Forum</td>
<td></td>
<td></td>
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<tr>
<td>c. Publicity and common collaterals</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Common Costs</strong></td>
<td><strong>SGD 300/ pax</strong></td>
<td>To be procured by participants</td>
</tr>
<tr>
<td>Include:</td>
<td>(for participation in the entire trip)</td>
<td></td>
</tr>
<tr>
<td>a. Land transport ^</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Common Meals</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>International Flight Tickets</strong></td>
<td>Estimated at SGD 1,000</td>
<td>BCA can help to book the hotels, payable by participants upon check-out</td>
</tr>
<tr>
<td>(Economy class by SQ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Singapore – Beijing – Singapore</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Accommodation</strong></td>
<td>Beijing: BCA will be staying at (TBC): China National Convention Center Grand Hotel 国家会议中心大酒店 1, 8 West Beijing Road, Chaoyang 北京朝阳区北辰西 8 号院 1 号楼 Estimated at SGD 160 per room per night</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tianjin: Hotel to be confirmed</td>
<td></td>
</tr>
</tbody>
</table>

^Land transport will be provided for all meetings arranged by BCA. Airport transfers will be provided for the delegation flights (as per itinerary)
Business Mission to Beijing, China (19 – 24 March 2017)
Participation Form

Please email your completed form to the following officer by 24 February 2017

Mr Chan Zhiquan  Chan_Zhiquan@bca.gov.sg  +65 6804 4669

For enquiries, please contact
Ms Lor Li Qi  Lor_Li_Qi@bca.gov.sg  +65 6804 4663
Ms Tan Peipei  Peipei_Tan@bca.gov.sg  +65 6804 4667

Company Details

<table>
<thead>
<tr>
<th>Company Name</th>
<th>[English]</th>
<th>[Chinese]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Website</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Trip Involvement (Please indicate “Y” in relevant boxes)

| Exhibition | Forum | Business Meetings |

Participation Fee

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount (SGD)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhibition and Forum (Standard Package) (includes exhibition space rental, design and construction of pavilion, common marketing collaterals)</td>
<td>$4,000/ company</td>
<td>Payment to be made by cheque to “Building and Construction Authority”</td>
</tr>
<tr>
<td>Common Costs (includes land transport and common meals)</td>
<td>$300 /pax (for participation in the entire trip)</td>
<td></td>
</tr>
</tbody>
</table>
Details of Representative(s) Participating in the Trip

<table>
<thead>
<tr>
<th>Name (as per passport)</th>
<th>[English]</th>
<th>[Chinese]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation</td>
<td>[English]</td>
<td>[Chinese]</td>
</tr>
<tr>
<td>Office Number</td>
<td></td>
<td>Mobile Number</td>
</tr>
<tr>
<td>Email Address</td>
<td></td>
<td>Nationality</td>
</tr>
<tr>
<td>Date of Participation</td>
<td>[Start Date]</td>
<td>[End Date]</td>
</tr>
</tbody>
</table>

**Accommodation Requirements**

Do you need us to secure hotel accommodation?
*Please indicate “Y” in relevant boxes*

- [ ] Yes
- [ ] No

Check in date:
Check out date:

BCA will be staying at (TBC):
China National Convention Center Grand Hotel
国家会议中心大酒店
1, 8 West Beijing Road, Chaoyang
北京朝阳区北辰西路 8 号院 1 号楼

**Dietary Restrictions**

*Please add a new table for each additional representative

**Speaker Information for Singapore Green Building Forum, 22 March 17, AM (if applicable)**

*Presentations are preferred to be made in Mandarin*

<table>
<thead>
<tr>
<th>Name of Speaker</th>
<th>[English]</th>
<th>[Chinese]</th>
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<tbody>
<tr>
<td>Designation of Speaker</td>
<td>[English]</td>
<td>[Chinese]</td>
</tr>
<tr>
<td>Title of Presentation</td>
<td>[English]</td>
<td>[Chinese]</td>
</tr>
</tbody>
</table>