

# International Conference on Intelligent Systems, Structures & Facilities (ISSF 2004)

**Date:** 12, 13 January, 2004

**Venue:** Fanling Room, Kowloon Shangri-La Hotel



Organized by  
**Asian Institute of Intelligent Buildings (AIIB)**

In cooperation with  
**Department of Building and Construction, City University of Hong Kong**



Supporting organizations:



Building Services Operation and Maintenance Executives Society  
Chartered Institute of Housing  
Hong Kong Institute of Planners  
Hong Kong Institute of Real Estate Administration  
The Hong Kong Institute of Facility Management

The Chartered Institution of Building Services Engineers, HK Branch  
The Hong Kong Construction Association  
The Hong Kong Institute of Architects  
The Hong Kong Institute of Surveyors

Intelligent Buildings (IBs) with Intelligent Systems, Structures and Facilities are the future of the building industry as they are environmentally friendly, energy efficient, safe, user friendly and cost effective. It is generally accepted that an intelligent building requires the provision of an efficient and flexible environment where building management and communication systems are fully integrated and building utilization is optimized. It should evolve from a firm and rigid structural foundation to ensure safe operation throughout its entire life. Comprehensive facilities management can, in addition, guarantee all building users, in particular the occupants, can receive the best and most satisfactory services for them to work, live and even entertain inside the IB. In this rapidly changing environment, it is important for professionals involved in building development and construction to look into the benefits of intelligent buildings over traditional buildings in substantial details.

In the conference, speakers from both IB industries and universities will present their research findings, views and experiences for the betterment of design, construction, commissioning and operation of IBs with respects to the three aspects.

## Who Should Attend

Electrical and Mechanical Engineers, Building Services Engineers, Structural Engineers, Housing Managers, Facility Managers, Developers, Architects, Surveyors, Project Managers, Project Planners and others who are interested in IBs.

## Conference Sessions

**Day 1 – 12 January 2004**

8:30		Registration
09:10 – 09:15	Welcome speech	<b>Prof. Andrew Leung</b> President of AIIB
09:15 – 09:25	Opening speech	<b>Mr. Marco, Wu Moon Hoi, JP</b> Director of Buildings Department
09:25 – 09:40	Keynote speech 1	<b>Mr. S.C. Leung</b> Chief Building Services Engineer Hong Kong Housing Authority
09:40 – 09:55	Keynote speech 2	<b>Ir Dr Alex Chan</b> President The Hong Kong Institution of Engineers
09:55 – 10:10	Keynote speech 3	<b>Prof. W. L. Lu</b> Secretary of IBNet
10:10 – 10:40		Tea

10:40 – 11:20	<b>Sensors Technology and Smart Structures</b>	<b>Dr. S. C. Liu</b> National Science Foundation, USA
11:20 – 12:00	<b>On-line Lower-order Modeling via Neural Networks</b>	<b>Prof. A B Rad</b> Professor The Hong Kong PolyU
<b>12:00 – 13:30 Lunch</b>		
13:30 – 14:10	<b>An Investigation of the Management Development Needs of Facilities Managers</b>	<b>Dr. Andrew Platten</b> Head of Department University of Central Lancashire, UK
14:10 – 14:50	<b>Determination of Structural Stresses Using Shearography</b>	<b>Prof. Michael Hung</b> Head & Chair Professor The City University of Hong Kong
<b>14:50 – 15:20 Tea</b>		
15:20 – 16:00	<b>Wireless Lighting Control &amp; Electrical Automation System Presenter</b>	<b>Mr. Michael Lam</b> General Manager Clipsal Asia Limited
16:00 – 16:40	<b>What we Fall Behind .... in Infrared Thermography applications? And the Next Wave ...</b>	<b>Mr. Nigel Ko</b> Infra-red Diagnostic Services Co
<b>16:40 End of Day 1</b>		
<b>18:00 Cocktail Reception</b>		
<b>19:00 3<sup>rd</sup> Anniversary Annual Dinner</b>		

#### Day 2 – 13 January 2004

09:15 – 09:55	<b>Overview of Problem Houses and Prevention Strategies in Japan</b>	<b>Mr. Hiroshi Yoshino</b> Professor Tohoku University, Japan
09:55 – 10:35	<b>Internet Based Building Automation Systems</b>	<b>Mr. Rob Mout</b> Director – Asia Pacific Operations Johnson Controls HK Limited
<b>10:35 – 11:05 Tea</b>		
11:05 – 11:45	<b>Cyberport Bandwidth Abundant Infrastructure</b>	<b>Mr. Eric S. Y. Chan</b> General Manager PCCW
11:45 – 12:25	<b>Intelligent Buildings Index 10 – Health &amp; Sanitation</b>	<b>Ir Dr Leonard Chow</b> Chairman of Membership Sub-committee AIIB
12:25 – 12:30	<b>Closing Speech</b>	<b>Dr. Albert So,</b> Chairman of Council & Executive Committee, AIIB
<b>12:30 – 14:00 Lunch</b>		
<b>14:00 – 17:00 Site Visit (Science Park)</b>		
<b>17:00 End of Day 2</b>		

**\*\*For more details and abstracts, please visit [www.aiib.net](http://www.aiib.net)\*\***

#### **Registration Details**

##### **Registration**

To register, please complete the reply slip and return it with your cross cheque or bank draft payable to “**Asian Institute of Intelligent Buildings Limited**” to AIIB, c/o Department of Building & Construction, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, attention: Miss Kalam Cheung on or before **24 December 2003**

##### **Cancellation Policy**

Full payment will be required to a guarantee the booking. Should you be unable to attend, a substitute or replacement may be made at any time. Alternatively, we will make a refund less 10% services charge for cancellation received in writing 30 days before the event. We will refund 50% of the fee and send to you the conference materials for cancellation received in writing 7 days before the event. We regret that no refunds will be made for cancellation received less than 7 days before the event.

