



**January 2016**

**CIB Commission W098  
Intelligent and Responsive Buildings  
Workshop on intelligent liveable buildings and cities  
June 2nd 2016 at CIB World Congress in Tampere**



**Workshop Intelligent liveable buildings and cities**

During the CIB World Building Congress (May30-June 3, 2016) in Tampere Finland, the CIB Commission W098 will organize a workshop on intelligent liveable buildings and cities.

The workshop will take place on June 2<sup>nd</sup> from 13.30 till 15.00 hours, and 15.30 till 17.00 hours in Tampere Hall.

**Scope and Objectives**

The workshop will cover a number of important issues in the design and management of intelligent buildings and cities. No longer is it sufficient to design for function alone. Buildings need to give the occupants a healthy well-being experience but at the same time be economical in the use of resources. The internal environment affects health and well-being and the increased degree of personalisation offered by wearable technologies will be highlighted.

The urban environment too is important as we realise to be disconnected with Nature is stressful.

Some parts of world have particular problems such as very highly populated cities where high rise buildings are a necessity but these can be designed to have vertical green space.

The workshop will give short introductions to these aspects to initiate debate among participants.

**Programme**

The programme of the workshop can be found on the following page.

More information on the 20<sup>th</sup> CIB World Building Congress can be found [here](#).



## **Programme workshop Intelligent liveable buildings and cities**

Tampere Hall, Tampere  
June 2, 2016

13:30-15:00 h.:

*Designing Liveable Intelligent Buildings and Cities for People* | Prof. Derek Clements-Croome (University of Reading)

*Space and Environmental Design for Occupants* | Prof. Juhani Pallasmaa (Helsinki)

Need for developing Intelligent sustainable & high rise buildings in the Asian context | *Ar Debashis Sanyal* (National Institute of Technology Raipur)

*Self-regulating buildings and cities* | Dr. Mark Worall (University of Nottingham)

*Complexity Models of Architecture* | Prof. Xiaoshu Lu (Aalto University Helsinki)

-- Coffee break --

15:30-17.00 h.:

*Human factors – the key driver for the design of smart and sustainable offices* | Prof. Holger Wallbaum (Chalmers University of Technology Sweden)

*Targeted Indoor Environment towards Smart and Sustainable Buildings* | Dr. Quan Jin (Chalmers University of Technology Sweden)

*A Case Study of the Effectiveness of Responsive In-home Display for Energy Savings in Shanghai Residential Buildings* | Dr. Xingxing Zhang (University of Nottingham Ningbo China)

*Intelligent Cities* | Dr. Husam (Alwaer Dundee University)

*Adaptive urban design - traditional vs. modern residential settlements* | Dr. Tong Yang (University of Nottingham Ningbo China)