



CIB NEWS ARTICLE

International Council for Research and Innovation
in Building and Construction

Providing a global network for international exchange and cooperation in research and innovation in building and construction, in support of an improved building process and of improved performance of the built environment.

July 2010

Around the Task Groups and Working Commissions

W104 - Open Building Implementation



Report on the 16th International Conference on Open and Sustainable Building, held in Bilbao, Spain in May, 2010

Summary

The 16th International Conference "Open and Sustainable Building - O&SB2010" was organised jointly by CIB W104 "Open Building Implementation" and TECNALIA, took place on May 17-19, 2010 in Bilbao (Spain). The Conference was held at the Euskalduna Conference Centre and Concert Hall in Bilbao.

More than 40 papers addressed issues ranging from health care to housing, building technology to design methods, representing research and practice by experts from Asia, Europe, Africa, North America and South America.

In addition, the winners of the 2nd International Open Building Student Competition "Detaching from Architecture" were presented, along with the challenge issued to the students. An international jury of architects reviewed more than 70 entries before deciding on the list of winners. The special session of the 2nd International Student Competition, "Detaching from Architecture", was held at the Guggenheim Museum in Bilbao. On May 19th, the third and last day of the Conference, the lectures of the plenary sessions of the morning were held at the Technology Park of Bizkaia and, after the visit to the research facility "KUBIK by Tecnalia", the parallel sessions were held at the Tecnalia's facilities at Derio.

The O&SB2010 Conference was attended by 128 people representing 16 countries: Austria, Brazil, Canada, China, Germany, Hong Kong, Italy, Japan, Malaysia, Mexico, The Netherlands, South Africa, Spain, Switzerland, United Kingdom and United States of America.

In addition to the registration fees, funding in support of the conference was granted by the Department of Education, Universities and Research and the Department of Housing, Public Works and Transport of the Basque Country Government. It was also partially sponsored by FYM Italcementi Group and ArcelorMittal. The expenses not covered by these supporters have been provided by Tecnalia.

Keynote Speeches

A keynote introductory speech on Open Building entitled "Accounting. Taking stock of emerging patterns of control in the making of built environment", was presented by Stephen Kendall.

Dr. Stephen Kendall is a Joint Coordinator of CIB W104 Open Building Implementation and a Professor of Architecture at Ball State University in the USA.



"Open Building refers to a set of principles and practices whose application lead to a sustainable building stock. Because buildings and neighborhoods are never finished, and must necessarily engage both community and individual action in their well-being, Open Building principles are now applied worldwide to achieve a healthy balance of initiative and control. The common characteristics are these: decisions are distributed among a number of players including users; technical subsystems can be replaced by similar products performing the same functions; and the built environment is in constant flux, necessitating careful planning on levels of intervention. This lecture will survey the principles of Open Building across several sectors and highlight examples from several countries".

Another keynote speech entitled " The adaptation of Building Industrialization in a world subjected to multiple changes" was presented by Prof. Alfonso del Águila.



Prof. Dr. Alfonso del Águila Garcías is professor of "industrialisation and prefabrication of construction" at the Department of Building and Architecture Technology in the Polytechnic University of Madrid.

"In the early sixties, the first division was produced about how to understand the international building industrialisation: "model method" and "components method", according to industrialise complete buildings

or their parts. In the next decade, the Roma Club proposed a more humanised industrial building, which was closer to the environmental and architectural values. At the end of the seventies and start of the eighties open industrialisation and compatible components were proposed.

Most recently, the evolution of the economy at the end of the 20th century and the start of the 21st produces an enthusiasm that in Europe focuses on leaving behind the technological backwardness by implementing, above all, open industrialisation.

However, the new economic climate, the various requirements of the new family models and the requirement for the reduction of environmental impacts seem to disrupt all this.

This paper emphasises how to approach this multitude of changes, what technologies to use, how to resolve and face the desires of a society that doesn't have residential models clear... and, finally, the paper shows how the best path is the open flexible and adaptable building industrialisation."



O&SB2010 Opening at Euskalduna Conference Hall, Bilbao, Spain

Dissemination of Outcomes

The outcomes of the O&SB2010 will be disseminated worldwide through the following publications:

- Proceedings of the 16th International Conference of the CIB W104 Open Building Implementation on "Open and Sustainable Building". A separate news article about the proceedings has been published (see [here](#)).
- "Detaching from Architecture. The 2nd International Student Competition in Architecture". The 2nd International Student Competition in Architecture was organized by Dr. Beisi Jia, Professor of Architecture at the University of Hong Kong, and a joint coordinator of CIB W104, for the occasion of the International Conference O&SB2010 "Open and Sustainable Building" and supported by an

international jury. The competition is part of the work of the CIB W104 Open Building Implementation network and is being organized locally by Tecnia in Spain. ISBN 978-84-88734-07-5.

- Special edition of the CIB Encouraged Journal: Open House International, Open Building Conference, planned for 2011: Vol.36 2011. No.1 March "OPEN AND SUSTAINABLE BUILDING" (Following the conference a select number of authors were to be invited to revise their papers for peer reviewing and publication in special edition of the indexed publication, Open House International Journal, www.openhouseint.com).

Additional Information

For additional information about the CIB W104 meetings please contact the Coordinators: Stephen Kendall skendall@bsu.edu, Beisi Jia jia@arch.hku.hk, and Kasunobu Minami k-minami@sic.shibaura-it.ac.jp.



You can find more information on the activities of CIB W104 at www.cibworld.nl - Databases - select "Go to Database" - in the shown search engine: type W104 in the field "Commission number".