



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.

February 2007

Around the Task Groups and Working Commissions

W023 – Wall Structures

Report of the 43rd Commission Meeting and Workshop held in October 2006 in Lisbon, Portugal

The meeting was constituted for one part in the format of a Workshop and for another part as a regular Commission Meeting.

Workshop "Implementation of Euro-Codes on Masonry"

After an overview report provided by Barry Hasseltine, on the development and publication of the Eurocodes on Masonry and the withdrawal of National Codes, national reports were given on the implementation of the Eurocodes in Portugal, UK, France, Finland, Italy, Germany, Poland and Slovenia

The powerpoint presentations made in support of these reports are included in the special CIB Meeting Report (see further on.)

Commission Meeting

CIB recently produced a electronic publication of the proceedings from the following past W023 Commission meetings:

- 2001 in Bled, Slovenia
- 2002 in Saariselkä, Finland
- 2003 in Padova, Italy
- 2004 in Amsterdam, The Netherlands
- 2005 in Prague, Czech Republic

This publication is free downloadable [here](#).

The Publication "Enclosure Masonry Wall System Worldwide" was published in November 2006 as a book by Balkema / Taylor & Francis. It is constituted by 12 Chapters corresponding to papers representing the following countries: Belgium and Netherlands, Brazil, China, France Germany, Greece, India, Italy Nordic Countries, Poland, Portugal and USA. The book has been introduced in a separate news article (see [here](#).)

Technical presentations were given about the following topics:

- Current Research on Modern Masonry
- Masonry Walls and Columns with bed Joint Reinforcement subjected to Vertical Compression; some remarks about design method
- Masonry Construction German Practice
- Seismic strengthening of brick masonry houses by CFRP strips; A shaking-table study
- Behaviour of historic masonry under cyclic shear loads

Copies of these presentations are included in the special CIB Meeting Report.

Within the W023 Work programme the following three Working Groups have been established as platforms for member activities:

- WG – Pathology of Masonry Walls, Convenor: Hipólito de Sousa
 - Objective: to produce a document with the more frequent pathologies in different countries, based on a classification of walls according to their characteristics.
- WG – Reinforced and Pre-stressed Masonry, Convenors: Nebojsa Mojsilovic and Jan Kubica
 - Objective: to produce a state-of-the-art report about weak points on the knowledge about reinforced and pre-stressed masonry, identifying subjects for future development and research.
- WG – Seismic Design of Masonry Structures, Convenor: Miha Tomazevic
 - Objective: to produce a state-of-the-art report about the seismic behaviour of masonry structures, identifying the most important parameters that can influence it, with guidance for quantifying of the

behaviour factors. In a first phase, an overview of commonly used design methods will be prepared and the results of calculations correlated on identical building, possibly tested in the laboratory.

Also a CIB Publication on "Historic Masonry Buildings" is being produced. Dr. Silvino Pompeu Santos is coordinating this together with expert commission members who have volunteered to act as an editing panel.

Proceedings

The proceedings from the Workshop and Commission Meeting will be published electronically by CIB as a special CIB Meeting Report. This will be free download and it will be introduced in a separate CIB News Article in a next newsletter.

Next Meeting

- CIB Commission Meeting on Wall Structures, 1-2 October 2007 in Paris, France

Additional Information

For additional information about the CIB W023 meetings please contact the Coordinator: Silvino Pompeu Santos at: pompeu.santos@lnec.pt.

You can find more information on the activities of CIB W023 at www.cibworld.nl/website - section "Databases" - database "Commissions - type W023 in the search field "Commission number".



Attendees at the W023 Commission meeting in Portugal with Coordinator Silvino Pompeu Santos in the middle