



## 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.

December 2005

### Around the Task Groups and Working Commissions

#### W023 – Wall Structures

## Report of the 42nd Commission Meeting held in September 2005 in Prague, Czech Republic



by

Dr. Silvino Pompeu Santos

### Introduction

CIB W023 on Wall Structures held its 42nd Commission Meeting held on September 26-27 2005 in Prague, Czech Republic. The meeting was kindly hosted by Klokner Institute and its Deputy Director Dr. Studnickova, and organized by Dr. Vaclav Vimmr. They arranged also for a technical visit to the Testing Structures Laboratory of Klokner Institute and on Sunday, September 25, a walk tour through the centre of ancient Prague as well as a magnificent dinner.

Items discussed during the 2 days included news from CIB, membership issues and planning of future activities. A number of presentations were also given, that will be included in a planned Proceedings.

### Presentations

A number of presentations were given under various themes as follows:

#### Large Panel Buildings

- "Rehabilitation of Large Panel Buildings (LPB) and Research" by Vaclav Vimmr

- "Accidental Actions. BRE Tests" (paper presented by Vaclav Vimmr) by Stuart Mathews
- "Reliability of Balcony Structures in Multistorey Prefabricated Buildings" by Petr Bouska

#### Preparation of Codes on Masonry

- "EN 1996". This presentation constituted a summary report on the state of publication of Eurocodes, with an emphasis on the publication of Eurocode 6, in its different parts, by Barry Haseltine

#### Masonry Structures

This session was specially organised for the discussion of the problematic of the wall-floor interaction in masonry structures, with the participation of invited guests, namely, Sven Sahlin and Bohdan Lewicki.

- "Comments to Tests of Wall-Floor Joints", by B. Lewicki (and Marek Lechman)
- "Tests of Floor-Wall Joints", by S. Sahlin
- "Comments on Wall-Floor Joints Behaviour", by Dirk Martens
- "Compressive Strength of Masonry Made of Vertically Perforated Clay Units Produced from 1999 to 2005", by D. Pume (and J. Kolisko)



- "Remarks on Determining the Minimum Reinforcement of Reinforced Masonry Walls In-plane Loaded", by J. Kubica
- "Swiss Code Design Charts for Shear Walls", by Nebojsa Mojsilovic

#### Repair of Structures

- "Natural Stone Masonry Investigation", by M. Vokac:
- "CONREPNET", by V. Vimmr

This last presentation constituted a summary report about the research project, CONREPNET co-financed by the European Union and the industry, on the repair of concrete structures. It can be used by W023 as a basis for the implementation of a similar project about the repair of ancient masonry structures.

All the presentations will be included in the Proceedings of W023 meeting in Prague.

#### **Future Activities**

##### Proceedings and Publications

- Proceedings under preparation: Proceedings from the past 4 most recent W023 meetings in Bled (Slovenia), Saariselkä (Finland), Padova (Italy) and Amsterdam (the Netherlands) will be published in a joint electronic publication. Proceedings from the Prague meeting will be separately published at a later stage.
- CIB Publication "Enclosure Masonry Wall Systems Worldwide": 9 contributions have been effectively received, representing the following countries: Belgium and Netherlands, Brazil, France, Greece, India, Italy, Nordic Countries, Portugal, and USA. There still are 3 or 4 other papers still to be received in order to finalise the Publication before the end of 2005.
- CIB Publication "Historic Masonry Buildings": As Claudio Modena, Convenor of the WG, this project will be discussed in the future.

The Commission Coordinator will contact the CIB Secretariat in order to organise the edition of the publication.

##### New Working Groups

After some discussion, the following Working Groups were established and the respective Convenors elected:

- WG1 - Pathology of Masonry Walls, with Hipólito de Sousa as the Convenor.
- WG2 - Preparation of Codes on Masonry, with Barry Haseltine as the Convenor
- WG3 - Rehabilitation of Large Panel Buildings, with Vaclav Vimm as the Convenor
- WG4 - Historic Buildings, with Claudio Modena as the Convenor

- WG5 - Reinforced and Pre-stressed Masonry, with Nebojsa Mojsilovic and Jean Kubica AS THE convenors
- WG6 - Seismic Design of Masonry Structures, with Miha Tomazevic as the Convenor:, Slovenia

#### **Other Issues**

##### Commission Membership

The membership of the CIB W023 Commission was analysed. It is being kept more or less constant in the recent years, with about half of the 40 members not attending meetings regularly. It was decided that the Commission Coordinator will initiate a membership drive both to re-attract the absent members, but also in order to get new members.

##### Honorary Member

Following a proposal from the Commission Coordinator, Dimitri Pume was elected, by unanimity, Honorary Member of the Commission.

##### Next Commission Meeting

It was decided that next Commission meeting will take place on September 25-26 2006, in Lisbon, Portugal. The first day, September 26, will constitute an International Workshop devoted to the discussion of "Practical Applications of Eurocode 6", namely the National Annexes of EN1996.1.1.

#### **Additional Information**

For additional information about CIB W023 and its future meetings, please contact the Coordinator, Dr Pompeu Santos at [pompeu.santos@lnec.pt](mailto:pompeu.santos@lnec.pt)

You can find more information on the activities of CIB W023 at [www.cibworld.nl](http://www.cibworld.nl)  
Search under Databases/CIB Commissions.  
Click on Commissions and type W023 in the search field.