W023 – Wall Structures

Report of the 37th Meeting at Penn State, 23-25 August 2000, United States

by

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News from the Commission
The membership of W023 was reviewed. After the last meeting the Commission membership was kept more or less constant. W023 now has 32 members and about half of them have been kept active on the Commission activities.

Proceedings
The Proceedings of the 35th Commission meeting, held in Dresden, Germany in September 1998 were recently published as CIB Publication 242. It contains 17 papers with a total of More than 200 pages.

The Proceedings of the 36th Meeting of W023 held in Porto, Portugal in September 1999 are being prepared and will be published as a CIB Publication. The Publication will contain 14 papers presented at the meeting and will be about 150 pages.

The 37th Meeting
Matters Related to EC6
Barry Haseltine, Convenor of Ad Hoc Group 2, reported on the revision of Eurocode 6, referring to the meetings of TC250/SC6 and PT1. A final draft of the revised EC6 is expected to be finalised in the Spring of 2002.

Large Panel Building
V. Vimmr, Convenor or Ad Hoc Group 3, reported on the activities developed by the Group. Ad Hoc Group 3 did organise a Workshop on “Rehabilitation of Large Panel Buildings” in Prague, Czech Republic on 26th May. The conclusion was made that the rehabilitation of these buildings is mainly an economic problem and not a technical one. Although this is mainly the problem in Eastern European countries, other countries have similar problems, for example in Canada and the USA.
**Workshop on Historic Masonry Structures**
This Workshop was an open meeting attended by W023 Members and some invited guests. S. Pompeu Santos summarised the main objectives of the Workshop: to start preparations of a publication about historic masonry structures.

Claudio Modena, Convenor of Ad Hoc Group 4, explained the main tasks developed for the preparation of the Workshop and provided information on the interventions of other associations and bodies with this: JCSS on the safety format, RILEM on behaviour models, ICOMOS on the preparation of Guidelines for Structural Restoration of Monuments and CEN with the publication of EC8 - Part 1.4 - Repair and Strengthening of Masonry Structures.

After several presentations the future work was discussed. It was decided that the papers presented at this meeting will be published as Proceedings. At the next W023 Meeting a special session on the same subject will be organised with new papers to be presented. An editorial panel will prepare these papers for publication.

**Enclosure Masonry Wall Systems**
Eric Burnett made a short introduction, explaining the plans for the future. The conclusion of this session was that a publication on Typical Wall Enclosures Worldwide will be prepared. This publication will contain the experiences in selected countries presented by members of W023. It will be published as a CIB Publication, possibly together with other organisations.

**Future Activities of the Ad Hoc Groups**
The future activities of the Ad Hoc Groups were discussed:

- **AH1**
The preparation of the publication on “Typical Wall Structures” will be continued. At the next meeting a special session will be dedicated on this. The final draft of the Publication should be ready by the end of 2002.

- **AH2**
Continuation of the promotion of discussion of subject related to the preparation of EC6, EC8 (masonry structures) and other Codes. The Group will get a new name: Matters Related to the preparation of Codes on Masonry.

- **AH3**
Preparation of Recommendations for the Rehabilitation of Large Panel Buildings will be started.

- **AH4**
Further preparation of the publication of “Historic Masonry Structures” which is one of the next commission meeting’s sessions. It is planned to have a final draft of this Publication by the end of 2001.

The establishment of an Ad Hoc Group on Sustainability of Building Wall Structures was discussed but a decision has not been taken yet.
Other Issues discussed at the Meeting

- The papers presented at the meeting will be published as a CIB Publication. Prof. Eric Burnett will take care of this.
- Tomm Grimm was proposed for Honorary Membership of W023 by S. Pompeu Santos. The other Commission members unanimously agreed with this.
- The next meeting of W023 will be held on 20-21 September 2001 in Ljubljana, Slovenia.
- A visit to the Campus of Penn State University was organised after the meeting. This included inside looks at testing laboratories and at the construction site of a building.
- Another visit was arranged to the Falling Water and Kentucky Knob Houses, designed by Frank Lloyd Wright.