

W077 - Indoor Climate

W077 was the second CIB Group (TG28 being the other) to hold a meeting during Indoor Air 99. The dates were the weekend of 7th and 8th August 1999. The meeting opened with mutual introductions when each participant briefly described his main research topic and these were followed by a series of technical presentations which had been prepared in advance.



Coordinator Erhard Mayer (extreme right) with the other participants at the meeting on 7th and 8th August 1999.

These contributions were:

- The latest research on sensory characterisation of emissions from building materials by Henrik Knudsen
- Inferring air-change rates and moisture release rates from psychometric conditions in dwellings using system identification techniques by Malcolm J. Cunningham
- Measurements of psychometric conditions in dust-mite microenvironments also by Malcolm J. Cunningham
- DRESSMAN: The new Dummy REpresenting Suit for Simulation of huMAN hitless by the Coordinator
- Measurement and evaluation of healthy building products. Report on a German project by Erhard Mayer and Klaus Breuer
- Temperature, humidity and perception of air quality by Fang Lei
- Health Effects of and Exposure to Indoor Air Pollution in developed and developing countries by Dietrich Schwela

A Session under the Chairmanship of the Coordinator Dr. Erhard Mayer was given over to a discussion of the Objectives and Scope and Current Work Programme of the Commission.

These were analysed in some depth and the outcome was a consensus among participants that no radical alterations were required.

It would be useful to recall what these are.

Objectives and Scope

- To promote research aimed at a better understanding of the effects of indoor climate on people, so as to be able to derive the quantitative criteria required for thermal comfort and air quality, taking into account interactions between disciplines
- To stimulate and facilitate the international exchange of ideas
- To take action to transfer knowledge to practitioners

Current Work Programme

To examine and discuss the latest research on aspects of indoor climate with special emphasis on healthy buildings. W077 aims for annual Commission Meetings to be organised in connection with the major international conferences in the field of Indoor Climate. The emphasis on these Commission Meetings is on in-depth and more or less informal expert discussions.

Two notable issues did emerge from the discussions. These were that the variety of topics as traditionally presented at W077 Meetings was rated highly by its members as regards relevance and interest.



Dr. Dietrich Schwela from the Department of Protection of the Human Environment, World Health Organisation presented a well researched account of the effects of Indoor Air Pollution.

The desirability was also expressed for members of CIB from developing countries to participate more in W077 affairs. However this could not be realistically done without some form of financial assistance.

CIB Deputy Secretary General Chris Pollington reminded the meeting that CIB did have a Developing Countries Fund. Its resources were not limited but participation in Commission Meetings was one of its possible uses. Any CIB Member interested should contact the CIB General Secretariat in Rotterdam.

Proceedings

It was reported that the Proceedings of the Meeting would be produced as a CIB Publication. The Coordinator would be in overall charge of editing and he asked for input before the end of the year.





Malcolm Cunningham, BRANZ, New Zealand featured twice on the scientific programme.

Next Meeting

The next meeting will be held on 5th and 6th August 2000 in conjunction with the Healthy Buildings 2000 Conference.

Our thanks to Erhard Mayer for the Minutes of the Meeting from which this Report has been compiled.

