

TG26 - Open Building Implementation



Joint Coordinators Stephen Kendall and Karel Dekker and others moved on from the CIB Congress in Gävle for a TG26 Meeting which had been scheduled for Helsinki, Finland from 15th to 17th June 1998.

With his usual thoroughness, Steven has sent us the following account of what transpired there. His view was that matters went "very well".

Thirty four people from ten countries attended this third official meeting of TG26. Countries represented were Belgium, Finland, Germany, the Netherlands, Sweden, Japan, Taiwan, China, the United Kingdom, and the United States. Several new members from Germany, Finland and the United States were welcomed, and others indicated their intention to join the TG. Several people were specifically invited to discuss their work related to open building, including Age van Randen (the Netherlands) Lucien Kroll (Belgium), Li Daxia (Shanghai), as well as Gerhard Seltmann (Germany), while other friends and members reported on their work.

A public symposium was also held to which more than 125 people attended.

The meeting was organised by:

- The Helsinki University of Technology
- Technology Development Center of Finland (TEKES)
- Building Information Institute

and took place at the Innopoli Technology Center in Otaniemi.

TG26 Member Professor Ulpu Tiuri coordinated all arrangements for the meeting, making it the most successful meeting to date. In addition, Professor Tiuri, with Markku Hedman, both from the Helsinki University of Technology Department of Architecture, prepared an excellent publication titled "Developments Toward Open Building In Finland", commissioned by TEKES. It surveys both residential and non-residential buildings in Finland in which the needs of the user serve as points of departure for the development of building technology. Jukka Pekkanen (TEKES), Markku Salmi (Building Information Institute), Johanna Hankonen (Housing Fund of Finland), and architects Esko Kahri and Ulpu Tiuri formed the steering group of this fine status report.

The TG meeting program had two themes:

- o rehabilitation of multifamily housing;
- o fit-out or infill systems for residential and non-residential buildings.

The three day meeting was organised as follows:

Day One: 15 June

Day One was for TG business and began focused discussions about problems faced in rehabilitating multifamily housing. This topic is of key importance and will continue to be a focus in upcoming meetings, both in Taiwan in November, 1998 and in the United Kingdom in 1999.

Business meeting

- o Discussion of a number of publication opportunities for TG members, as well as a report on the international status report book on open building - Residential Open Building - to be published by E&FN Spon / Routledge, in March, 1999, co-authored by TG members Stephen Kendall and Jonathan Teicher.
- o Brief review of the CIB World Congress in Gävle, Sweden by Dr. Kendall including the CIB name change; the depth of commitment to the sustainability agenda by CIB members; etc.

- Introduction to the discussion on TG26 Long Term Strategy, by member Dr. Seiji Sawada.
- Presentations on Rehabilitation of Multi-Family Residential Projects.
- Karel Dekker, the Netherlands (TNO): The Voorburg Project.
- Gerhard Seltmann, Executive Director, Expo 2000, Sachsen-Anhalt GmbH: The Expo 2000 Project: Urban Development, Architecture and Planning.
- Johanna Hankonen, Finland (ARA): Individual Choices and Changing Roles in the Housing Renovation in Varkaus.
- Lucien Kroll, Belgium: Ecology - Rationality - Complexity.
- Dinner in Valhalla (Walhalla, an old fortress on Suomenlinna Island in Helsinki harbour).

Day Two: 16 June: Open Building Symposium

The Task Group and friends met with more than one hundred and twenty five invitees representing public and private sector building industry organisations and professionals, researchers and manufacturers from Finland on the theme:

Residential and Non-Residential infill/fit-out for building and rebuilding.

- Opening Address: Director General Pertti Touminen, State Real Property Authority.
- Director General Teuvo Ijäs, Housing Fund of Finland, ARA: Housing Fund of Finland and the Promotion of Open Building Ideas.
- Professor Stephen Kendall, USA (Marymount University): Introduction to Open Building Principles.
- Professor Age van Randen, the Netherlands: A Consumer Oriented Housing Industry: What does it take?
- Professor Juhani Kiiras, Finland (HUT): Short Throughput Times of Apartment Infill - Better Quality and Productivity.
- Professor Godfried Augenbroe, USA (Georgia Institute of Technology): Building Product Innovation Through Co-Engineering Strategies.
- Professor Thomas Bock, Germany (Technical University of Munich): Open Building Implementation Through Rationalisation in Planning and Production.
- Professor Shuichi Matsumura, Japan (University of Tokyo): House Japan Project: SI Houses.
- Mr. Toshiaki Hirata, Japan (Tokyo Gas Company): Development of Condominium Interior/Equipment Integration System.
- Professor Sarah Slaughter, USA (MIT): Design to Increase Facility Capacity to Accommodate Change.
- Anne Roukolainen, Finland (Tampere University of Technology): A Decision Support System as a basis for Introduction of Open Building.
- Mr. Jussi Kautto, Finland (Development Chief, Helsinki Housing Office Development Unit): Open Building Technology Competition for Housing.

(Followed by a poster session of projects and products from Japan, the US, the Netherlands and Finland, and discussion about participation by some TG26 members in the IMS Program for International cooperation for R&D in intelligent manufacturing systems.)

Day Three: 17 June

In the morning, TG members and friends took an excursion to visit open building related projects, including the Nokia Office Building, Herttoniemenranta Housing area; Miljö 2000 projects and a residential building under construction, some designed by TG26 member Architect Esko Kahri.

The excursion was followed by further presentations and a TG business meeting.

- Professor Tomonari Yashiro, Japan (University of Tokyo): Toward Further Dissemination of

Open Building.

- Dr. Marleen Hermans, the Netherlands (Damen Consultants): The Changing Building Market as an Impulse for Flexible, Industrialised Building.
- Frits Scheublin, the Netherlands (HBM Managing Director Design and Development Office): The Entrepot Building Rotterdam, Upgrading of a Warehouse to top-class apartments using Open Building.
- Li Daxia, China (Shanghai Fulong Housing Co., Ltd): The Housing Market in China.
- Continued discussion of long term strategy of TG26: question of scope of the TG activity to possibly include both residential and other kinds of buildings and the urban level

Future Meetings

It was agreed that after the meeting in Taiwan in November 1998, the TG will shift to one international meeting each year with regional meetings scheduled independently.

The 1999 international meeting will be in London.
