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Cooperative Buildings

Integrating Information,
Organization, and Architecture

First International Workshop, CoBuild'98
Darmstadt, Germany, February 25-26, 1998
Proceedings



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Preface

This volume constitutes the proceedings of the First International Workshop on Cooperative Buildings (CoBuild'98) – Integrating Information, Organization, and Architecture, held in Darmstadt, Germany, on February 25–26, 1998. The idea for this workshop and actually the term “cooperative building” was created during the activities of initiating the consortium “Workspaces of the Future” for conducting an interdisciplinary R&D program in cooperation with partners from industry. We discovered that there was no appropriate forum to present research at the intersection of information technology, organizational innovation, and architecture.

The theme “Integrating information, organization, and architecture” reflects the challenges resulting from current and future developments in these three areas. In the future, work and cooperation in organizations will be characterized by a degree of dynamics, flexibility, and mobility that will go far beyond many of today's developments and examples. The introduction of information and communication technology has already changed processes and contents of work significantly. However, the design of work environments, especially physical work spaces as offices and buildings, remained almost unchanged. It is time to reflect these developments in the design of equally dynamic, flexible, and mobile work environments. The papers of this volume show that this is an interdisciplinary endeavor requiring a wide range of perspectives and the utilization of results from various areas of research and practice.

The workshop was organized by the German National Research Center for Information Technology, in particular by the two research institutes in Darmstadt, Integrated Publication and Information Systems Institute (IPSI) and the Institute for Telecooperation Technology (TKT), in the context of their joint effort organizing the R&D consortium “Workspaces of the Future”. The workshop was held in cooperation with the following scientific societies: Gesellschaft für Informatik (GI), European Association of Cognitive Ergonomics (EACE), and the Association of Computing Machinery (ACM).

The technical program of CoBuild'98 presented in this volume is the result of the review and selection process of the international program committee. From the submitted papers, we selected 22 high quality papers: 18 to be presented as full papers and 4 as short papers. The selected papers were complemented by two invited speakers. Due to the very interdisciplinary nature of the workshop, the papers cover a wide range of topics. They therefore had to be reviewed from multiple perspectives which was not always an easy task. I would like to express my sincere thanks to the members of the program committee for their careful reviews and constructive comments which often helped to improve the final versions of the papers.

Finally, I would like to express my sincere thanks to Shin'ichi Konomi for compiling and copy-editing the camera-ready manuscript and for creating the workshop's website. I extend special thanks to Hans-Jürgen Burkhardt, the conference co-chair, and to Knut Bahr and the members of the organization committee for their effort in taking care of all those additional issues that are essential for a successful workshop.

Supporting/Cooperating Societies

Gesellschaft für Informatik (GI) mit den Fachgruppen:

- 2.3.1 Software Ergonomie
- 4.9.1 Hypertext-/mediasysteme
- 5.5.1 CSCW in Organisationen

European Association of Cognitive Ergonomics (EACE)

Association for Computing Machinery (ACM) with the special interest groups:

- SIGCHI (Computer-Human Interaction)
- SIGGROUP (Group Work, CSCW)
- SIGLINK (Hypertext, Hypermedia)
- SIGMM (Multimedia)

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