Computer Supported Cooperative Work in Design IV

By Weiming Shen

Springer-Verlag Gmbh Dez 2008, 2008. Taschenbuch. Condition: Neu. Neuware - Design of complex artifacts and systems requires the cooperation of multidisciplinary design teams using multiple sophisticated commercial and non-commercial engine- ing tools such as CAD tools, modeling, simulation and optimization software, en- neering databases, and knowledge-based systems. Individuals or individual groups of multidisciplinary design teams usually work in parallel and independently with various engineering tools, which are located on different sites, often for quite a long period of time. At any moment, individual members may be working on different versions of a design or viewing the design from various perspectives, at different levels of details. In order to meet these requirements, it is necessary to have efficient comput- supported collaborative design systems. These systems should not only automate in- vidual tasks, in the manner of traditional computer-aided engineering tools, but also enable individual members to share information, collaborate, and coordinate their activities within the context of a design project. Based on close international collaboration between the University of Technology of Compiègne in France and the Institute of Computing Technology of the Chinese Ac- emy of Sciences in the early 1990s, a series of international workshops on CSCW in Design started...

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