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Collana	Lecture notes in computer science ; ; 4402
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Soggetti	Engineering design - Data processing Teams in the workplace - Data processing Industrial design System design
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CSCW Techniques and Methods -- Collaborative Design -- Collaborative Manufacturing and Enterprise Collaboration -- Design Methods and Tools -- Agents and Multi-Agent Systems -- Web Services, Semantic Web, and Grid Computing -- Knowledge Management -- Security and Privacy in CSCW Systems -- Workflow Management -- E-Learning.
Sommario/riassunto	The design of complex artifacts and systems requires the cooperation of multidisciplinary design teams using multiple commercial and proprietary engineering software tools (e.g., CAD, modeling, simulation, visualization, and optimization), engineering databases, and knowledge-based systems. Individuals or individual groups of multidisciplinary design teams usually work in parallel and separately with various engineering software tools which are located at different sites. In addition, individual members may be working on different versions of a design or viewing the design from different perspectives, at different levels of detail. In order to accomplish the work, it is necessary to have effective and efficient collaborative design environments. Such environments should not only automate individual

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. CSCW (computer-supported cooperative work) in design is concerned with the development of such environments.

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