1. Record Nr. UNINA9910767517303321

Autore	Drira Khalil
Titolo	Cooperative Environments for Distributed Systems Engineering : The Distributed Systems Environment Report / / by Khalil Drira, Andrea Martelli, Thierry Villemur
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45582-5
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (CCXCVI, 286 p.)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 2236
Disciplina	004/.36
Soggetti	Software engineering Computers User interfaces (Computer systems) Human-computer interaction Computer networks Electronic data processing - Management Software Engineering Computer Hardware User Interfaces and Human Computer Interaction Computer Communication Networks IT Operations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cooperative Environments for Distributed System Engineering -- Research and Development Projects -- Relevant Existing Practices -- Middleware -- Product Data and Workflow Management -- Communications -- Groupware.
Sommario/riassunto	The engineering life cycle for complex systems design and development, where partners are dispersed in different locations, requires the set-up of adequate and controlled processes involving many different disciplines. The “design integration” and the final “system physical/functional integration and qualification” imply a high degree of cross-interaction among the partners. The - place technical

information systems supporting the life cycle activities are specialized with respect to the needs of each actor in the process chain and are highly heterogeneous between them. To globally innovate in-place processes, specialists must be able to work as a unique team, in a virtual enterprise model. To this aim, it is necessary to make interoperable the different technical information systems and to define co-operative engineering processes, which take into account “distributed roles”, “shared activities”, and “distributed process controls”. In this frame an innovative study, aimed at addressing this process with the goal of identifying proper solutions – in terms of design, implementation, and deployment – has been carried out with the support of the European Community and the participation of major industrial companies and research centers.