

1. Record Nr.	UNISA996466365703316
Titolo	Ubiquitous Mobile Information and Collaboration Systems [[electronic resource] ] : Second CAiSE Workshop, UMICS 2004, Riga, Latvia, June 7-8, 2004, Revised Selected Papers // edited by Luciano Baresi, Schahram Dustdar, Harald Gall, Maristella Matera
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	3-540-30188-7
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (VIII, 197 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3272
Disciplina	005.1/085
Soggetti	Application software Computer communication systems Information storage and retrieval Software engineering User interfaces (Computer systems) Information Systems Applications (incl. Internet) Computer Communication Networks Information Storage and Retrieval Software Engineering User Interfaces and Human Computer Interaction
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	Invited Talk -- Paper on the Move -- Data and Context Management -- A Natural Language Model for Managing TV-Anytime Information in Mobile Environments -- Updated Data Dissemination in Ad Hoc Networks -- Modelling Context for Information Environments -- Coordination and Control -- Distributed Task Processing Within the Mobile Memory Aid System MEMOS -- Towards an Approach for Coordinating Personalized Composite Services in an Environment of Mobile Users -- Workflow Management in Mobile Environments -- Application Frameworks (I) -- DIWE: A Framework for Constructing Device-Independent Web Applications -- A Conceptual Framework for Monitoring and Control System Development -- Process Modeling --

Evolution of Mobile Services: An Analysis of Current Architectures with Prospect to Future -- Collaborative Design of Web Service Networks in a Multilingual User Community -- Application Frameworks (II) -- Process Mining for Ubiquitous Mobile Systems: An Overview and a Concrete Algorithm -- Activity-Based Support for Mobility and Collaboration in Ubiquitous Computing -- Component-Based Development of Web-Enabled eHome Services.

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Sommario/riassunto

Over recent years most business processes have changed in various dimensions (e. g. , flexibility, interconnectivity, coordination style, autonomy) due to market conditions, organizational models, and usage scenarios of information systems. Frequently, information is relocated within a geographically distributed system according to rules that are only seldom defined as a well-codified business process. This creates the need for a so-ware infrastructure that enables ubiquitous mobile and collaboration systems (UMICS). The anywhere/anytime/any means paradigm is becoming the major challenge in conceiving, designing, and releasing next-generation information systems. New technologies, like with networks and 3rd-generation mobile phones, are offering the infrastructure to conceive of information systems as ubiquitous information systems, that is, systems that are accessible from anywhere, at any time, and with any device. Ubiquity is not yet another buzzword pushed by emerging technologies, but is mainly a means to support new business models and encourage new ways of working. This new wave of UMICS will exploit the knowledge developed and deployed for conventional information systems, but will also need new concepts, models, methodologies, and supporting technologies to fully exploit the potentials of the enabling infrastructure and to be ready for the challenge. Moreover, people need to move across organizational boundaries and collaborate with others within an organization as well as between organizations. The ability to query the company's distributed knowledge base and to cooperate with co-workers is still a requirement, but mobility brings new access scenarios and higher complexity.

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