

1. Record Nr.	UNINA9910484436503321
Titolo	Embedded and Ubiquitous Computing - EUC 2005 : International Conference EUC 2005, Nagasaki, Japan, December 6-9, 2005, Proceedings // edited by Laurence T. Yang, Makoto Amamiya, Zhen Liu, Minyi Guo, Franz J. Rammig
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XXIII, 1204 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 3824
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Disciplina	004.16
Soggetti	User interfaces (Computer systems) Human-computer interaction Computer networks Computers, Special purpose Application software Information storage and retrieval systems Computers and civilization User Interfaces and Human Computer Interaction Computer Communication Networks Special Purpose and Application-Based Systems Computer and Information Systems Applications Information Storage and Retrieval Computers and Society
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	Keynote -- Embedded Hardware -- Embedded Software -- Real-Time Systems -- Power-Aware Computing -- H/S Co-design and Systems-on-Chip -- Testing and Verification -- Reconfigurable Computing -- Agent and Distributed Computing -- Wireless Communications -- Mobile Computing -- Multimedia, HCI and Pervasive Computing -- Network Protocol, Security and Fault-Tolerance -- Middleware and P2P

Computing.

Sommario/riassunto

Welcome to the proceedings of the 2005 IFIP International Conference on Embedded and Ubiquitous Computing (EUC 2005), which was held in Nagasaki, Japan, December 6–9, 2005. Embedded and ubiquitous computing is emerging rapidly as an exciting new paradigm to provide computing and communication services all the time, everywhere. Its systems are now pervading every aspect of life to the point that they are hidden inside various appliances or can be worn unobtrusively as part of clothing and jewelry. This emergence is a natural outcome of research and technological advances in embedded systems, pervasive computing and communications, wireless networks, mobile computing, distributed computing and agent technologies, etc. Its tremendous impact on academics, industry, government, and daily life can be compared to that of electric motors over the past century, in fact it but promises to revolutionize life much more profoundly than elevators, electric motors or even personal computers. The EUC 2005 conference provided a forum for engineers and scientists in academia, industry, and government to address profound issues including technical challenges, safety, and social, legal, political, and economic issues, and to present and discuss their ideas, results, work in progress, and experience on all aspects of embedded and ubiquitous computing.