1. Record Nr. UNINA9910143891003321

Titolo	Mobile Agents : 6th International Conference, MA 2002, Barcelona, Spain, October 22-25, 2002, Proceedings / / edited by Niranjan Suri
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
ISBN	3-540-36112-X
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (X, 210 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2535
Disciplina	006.3
Soggetti	Artificial intelligence Computer science Computer networks Software engineering Operating systems (Computers) Management information systems Artificial Intelligence Computer Science, general Computer Communication Networks Software Engineering Operating Systems Management of Computing and Information Systems
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	aZIMAS: Web Mobile Agent System -- Mobile Code in .NET: A Porting Experience -- Mobile Agents and Logic Programming -- Empowering Mobile Software Agents -- An Intrusion Detection System for Aglets -- Fine-Grained Interlaced Code Loading for Mobile Systems -- Improving Scalability of Replicated Services in Mobile Agent Systems -- Toward Interoperability of Mobile-Agent Systems -- Mobile Intermediaries Supporting Information Sharing between Mobile Users -- A Mobile Agent Enabled Fully Distributed Mutual Exclusion Algorithm -- Using a Secure Mobile Object Kernel as Operating System on Embedded Devices to Support the Dynamic Upload of Applications -- Supporting Flexible

Data Feeds in Dynamic Sensor Grids through Mobile Agents -- Physical Mobility and Logical Mobility in Ubiquitous Computing Environments.

Sommario/riassunto

Welcome to the proceedings of the 6th IEEE International Conference on Mobile Agents. MA 2002 took place in Barcelona, Spain and was co-located with the 4th International Workshop on Mobile Agents for Telecommunications Applications. Both events were held at the Universitat Pompeu Fabra, October 22–25, 2002. Mobile agents may be de?ned as programs that, with varying degree of - tonomy, can move between hosts across a network. Mobile agents combine the notions of mobile code, mobile computation, and mobile state. Capabilities of mobile agents include: – Supporting unrealiable networks and disconnected operation – Counteracting low-bandwidth, high-latency communication links – Deploying newbehaviour (through mobile code) and recon?guring systems on-the-?y – Distributing processing load across systems – Improving survivability in the face of network and system failure. Given the above capabilities, mobile agents (while they may not be referred to as such) are nowbecoming accepted as a fundamental architectural construct for the design and development of complex adaptive systems that need to operate in highly dynamic environments. Mobile agents also support applications in several domains such as ubiquitous computing, grid computing, remote sensing, data mining, system management, and agile computing.