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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Digital Economy -- Market Strategies in the Internet Content Business -- Government Initiatives and the Knowledge Economy: Case of Singapore -- E-Commerce I -- Impacts and Limitations of Intelligent Agents in Electronic Commerce -- Applying the AHP Techniques to Electronic Commerce in a Special Attention to Fashion Website Selection -- Catalog Sharing through Catalog Interoperability -- Digital Divide I -- Digital Divide: Conceptual Discussions and Prospect -- Merits of Open-Source Resolution to Resolve a Digital Divide in Information

Technology -- Emancipatory Learning via the Internet: A Model for Reducing Maori Socio-economic Exclusion in Aotearoa/New Zealand -- Internet Status and New Applications -- Analysis of Internet Reference Behaviors in the Korean Education Network -- Load Balancing Studies on an H.323 Gatekeeper Prototype -- Framework for Building Mobile Context-Aware Applications -- E-Commerce II -- Personal Information Market: Toward a Secure and Efficient Trade of Privacy -- Security Enhancement on Mobile Commerce -- The Innovation of E-marketing Combination Tactics -- Digital Divide II -- Online Branding: An Antipodean Experience -- Staying Put But Going Far: Empowering Online Rural Communities in Malaysia -- Virtual Enterprise -- Enterprise Alliance and Virtue Enterprise: A Systematic Analysis and Theoretical Explanation -- Challenges in Building Design and the Construction Industry: The Future of Design and Construction in the Internet Age -- Cyber Education I -- Towards Policy-Based Management QoS in Multicomunicative Education -- Challenges and Promises in the Cyber World with Young Children -- A Vision for Improving Mathematics Education in the Internet-Based Society -- Digital Governance -- Leapfrogging from Traditional Government to e-Government -- Towards Cyber-democracy: True Representation -- Organizational Structure Triangle Stability\* -- Medical Computing I -- An Integrated Medical Information System Using XML -- Image-Guided Telemedicine System via the Internet -- An Algorithm for Formation and Confirmation of Password for Paid Members on the Internet-Based Telemedicine -- Cyber Education II -- Agent-Based Approach to e-Learning: An Architectural Framework -- A Design and Implementation of Web-Based Project-Based Learning Support Systems -- Mobile Computing -- A New Incremental Rerouting for Handoff in Wireless ATM Networks\* -- A Progressive Image Transmission Scheme Based on Block Truncation Coding -- Reduction of Location Update Traffic Using Virtual Layer in PCS\* -- Human Computing -- A Study on Implementation of Evaluation System of Ataxia Using a Touchscreen -- Lossy Compression Tolerant Steganography -- An Algorithm for Incremental Nearest Neighbor Search in High-Dimensional Data Spaces -- An XML-Based 3-Dimensional Graphic Database System\*.

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## Sommario/riassunto

During the past several years, the world has entered the first phase of the Internet Revolution. Investors showed confidence and faith in the prospects of the Internet driven economy. In the US alone, some 30,000 dot com companies have sprung up to support electronic commerce with a wide variety of business models, technologies, and/or items or services to sell or even give away. Traditional businesses, so called brick and mortar, or offline, businesses, have started to respond to challenges by Internet based new competitors by augmenting their own businesses with Internet based, or online, businesses and/or filing lawsuits against them. The initial business to consumer orientation of electronic commerce is giving way to business to business commerce, with large corporations forming electronic exchanges or consortia to conduct commerce among members. Government, industry, and civic groups have started addressing social issues related to the Internet, such as taxation on electronic commerce, privacy, intellectual property rights, security, hacking, cyber crimes, digital divide, etc. Governments have started legitimizing electronic signatures and stepping up efforts to track down perpetrators of cyber crimes. The courts have started to wrestle with issues of privacy, intellectual property rights, crimes, and impediments to Internet driven economy.

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