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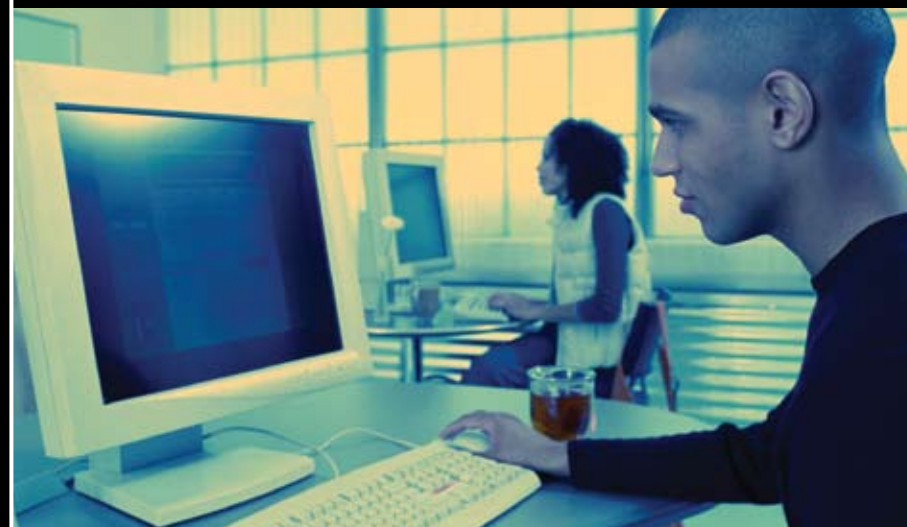
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Handbook of Research on Fuzzy Information Processing in Databases (2-Volume Set)

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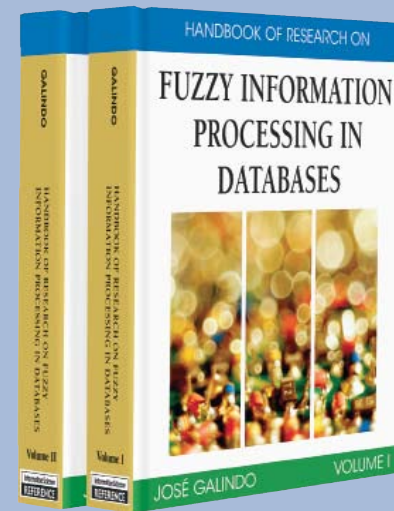
- Application of fuzzy databases
- Bipolar queries in fuzzy information processing
- Case based reasoning (CBR)
- Dynamic causal mining
- Extension principle
- Flexible database querying
- Fuzzy comparators
- Fuzzy data mining
- Fuzzy datatypes
- Fuzzy dependencies
- Fuzzy information processing in databases
- Fuzzy knowledge management
- Fuzzy languages
- Fuzzy modeling tools
- Fuzzy object-oriented databases
- Fuzzy object-relational databases
- Fuzzy quantifiers
- Fuzzy relational databases
- Fuzzy technologies for databases
- Fuzzy time
- Hierarchical fuzzy sets
- Implementation of fuzzy databases
- Linguistic labels
- Query expansion by taxonomy
- Relational database querying
- Representation theorem
- Spatial uncertainty management

José Galindo, University de Malaga, Spain

The **Handbook of Research on Fuzzy Information Processing in Databases** provides comprehensive coverage and definitions of the most important issues, concepts, trends, and technologies in fuzzy topics applied to databases, discussing current investigation into uncertainty and imprecision management by means of fuzzy sets and fuzzy logic in the field of databases and data mining. Through 34 authoritative contributions by over 75 of the world's leading experts, the **Handbook of Research on Fuzzy Information Processing in Databases** offers researchers, students, and organizations a complete, practical, guide to fuzzy information processing in databases.

Key Features

- 34 authoritative contributions by over 75 of the world's leading experts in fuzzy databases from 24 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,400 references to existing literature and research on fuzzy information processing
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— Torsten Reiners, University of Hamburg, Germany

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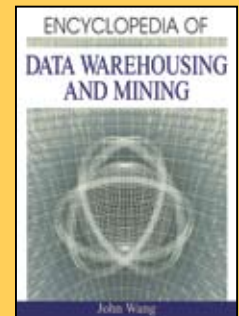
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John Wang, Montclair State University, USA

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ISBN: 1-59140-557-2; 1,382 pp; © 2006; Available Now
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Encyclopedia of Database Technologies and Applications

Laura C. Rivero, Jorge H. Doorn, and Viviana E. Ferraggine, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina

The **Encyclopedia of Database Technologies and Applications** delivers clear and concise explanations of emerging issues and technologies related to database concepts.



ISBN: 1-59140-560-2; 784 pp; © 2006; Available Now
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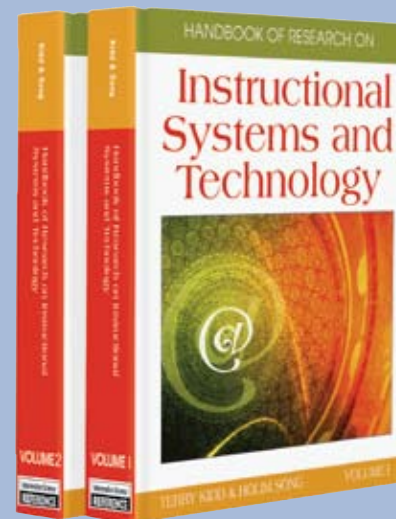
- Achieving classroom excellence
- Adaptive learning paths
- Bringing reality into the classroom
- Building a IMS with ubiquitous software
- Collaboration in online courses
- Computer application software training
- Computer games and language learning
- Cross-cultural adaptation
- Cybercoaching system
- Cyberethics
- Digital game based learning
- E-learning adoption
- Gaming, cognitive style, and feedback
- Instructional design methodologies
- Learning and study strategies
- Learning object model
- Learning villages network
- Planning effective multimedia instruction
- Portable education
- Reading assessment strategies
- Technological trends in e-learning
- The LOLA strategy
- Underlying constructs of Webquests
- Webquest development

Terry Kidd, University of Texas Health Science Center School of Public Health, USA and Holim Song, Texas Southern University, USA

The **Handbook of Research on Instructional Systems and Technology** provides information on the different styles of instructional design methodologies, tips, and strategies on how to use technology to facilitate active learning as well as techniques to help faculty and researchers develop online instructional and teaching materials. With over 65 chapters contributed by 119 of the world's leading experts in instructional systems, the **Handbook of Research on Instructional Systems and Technology** enables libraries to provide a foundational reference to meet the information needs of researchers, educators, practitioners, administrators, and all other stakeholders in the context of instructional systems and technology.

Key Features

- Over 65 authoritative contributions by 119 of the world's leading experts in instructional systems from 16 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,100 references to existing literature and research on instructional technology
- A compendium of over 450 key terms with detailed definitions
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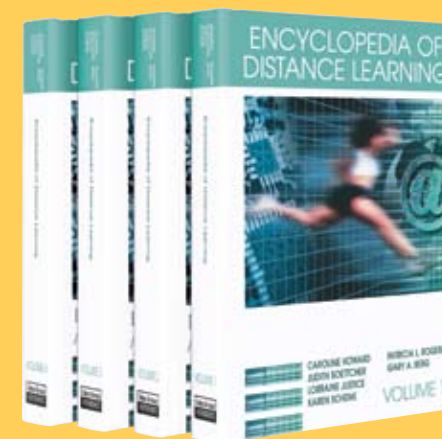
— Torsten Reiners, University of Hamburg, Germany

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Caroline Howard, Touro University International, USA, Judith Boettcher, University of Florida, USA, Lorraine Justice, Hong Kong Polytechnic University, Hong Kong, Karen Schenk, K.D. Schenk and Associates Consulting, USA, Patricia Rogers, Bemidji State University, USA, and Gary A. Berg, California State Univ., USA

The **Encyclopedia of Distance Learning** offers the most comprehensive coverage of the issues, concepts, trends, and technologies of distance learning. Over 400 international contributors from over 35 countries have provided extensive coverage of topics such as workforce training, accessing education, digital divide, and the evolution of distance and online education into a multibillion dollar enterprise. This 4-volume set encyclopedia is edited by leading international experts with multiple years of professional and academic experience in the field.



ISBN: 1-59140-555-6; 2,418 pp; © 2005; Available Now
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Handbook of Research on Learning Design and Learning Objects: Issues, Applications and Technologies (2-Volume Set)

Lori Lockyer, Sue Bennett, Shirley Agostinho, and Barry Harper, University of Wollongong, Australia

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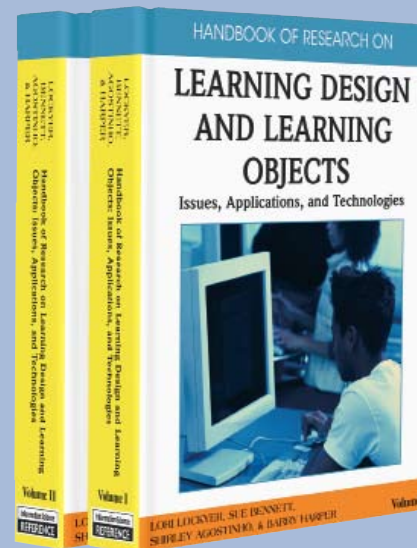
- Activity theory
- Collaborative argumentation in learning resource evaluation
- Coordination mechanism
- Cost and sustainability of learning object repositories
- Design patterns for e-learning
- Design representations
- Digital repositories in higher education
- Educational design
- E-learning
- Higher order thinking
- IMS learning design in educational situations
- Instructional effectiveness of learning objects
- Learner-generated animations
- Learning design taxonomy
- Learning object design for pedagogical impact
- Learning object repositories
- Learning units
- Online role-based learning design
- Pedagogic planning tools design
- Representing models of practice
- Slowmation
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- Visual meaning management for networked learning

Designing effective learning experiences is a significant challenge for educators. While there is a wide range of expert advice available for technology supported teaching and learning, translating theories and good practice principles into practice can be a daunting task.

The **Handbook of Research on Learning Design and Learning Objects: Issues, Applications and Technologies** provides an overview of current research and development activity in the area of learning designs in terms of teaching perspective and technological advances. This essential reference brings together 43 chapters that encompass the latest research of 94 leaders in the field to provide an up-to-date and complete picture of the subject.

Key Features

- 43 authoritative contributions by 94 of the world's leading experts in learning design from 15 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,800 references to existing literature and research on learning objects
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"The Handbook of Research on Learning Design and Learning Objects has assembled a collection of work from key research centers and influential individuals worldwide to showcase the latest research emerging to supporting high quality teaching and learning."

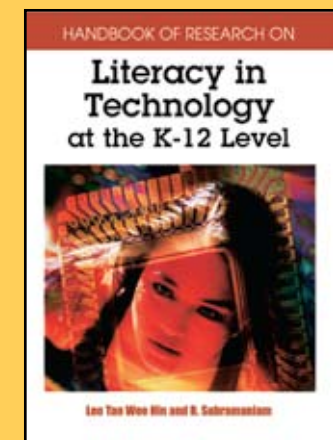
— Lori Lockyer, University of Wollongong, Australia

Previously Published Titles

Handbook of Research on Literacy in Technology at the K-12 Level

Leo Tan Wee Hin and R. Subramaniam,
National Institute of Education,
Singapore

The **Handbook of Research on Literacy in Technology at the K-12 Level** is the first reference work to provide comprehensive coverage of the issues, methods, and theories that define the converging worlds of literacy and technology at the pre-collegiate level. Over 50 international experts have combined their research and practical experience into 35 all-inclusive chapters, redefining the way teaching and learning is dispensed. This authoritative handbook details the needs of teachers, researchers, and scholars through state-of-the-art perspectives, exposing them to new ideas and interesting developments. The Handbook of Research on Literacy in Technology at the K-12 Level is instrumental in providing access to the latest knowledge in the field.



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- E-government and SMEs
- E-government innovation
- E-government services
- Electronic transactions in government
- E-participation research
- Ethical and policy issues
- Government Web sites
- Internet-based citizen participation
- IT in emergency response
- Legal issues in information technology
- Local e-government
- Public administration modernization
- Public information and security
- Public information technology
- Public sector human resources information systems
- Public sector participation in open communities
- Public wireless Internet

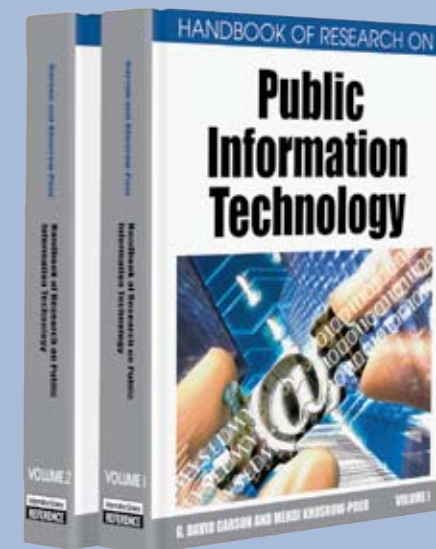
G. David Garson, North Carolina State University, USA, and Mehdi Khosrow-Pour, Information Resources Management Association, USA

The use of information technology in the public sector has been an increasingly prominent international trend. With this rapid expansion comes many issues, challenges, and concerns relating to the application of public information technology.

The **Handbook of Research on Public Information Technology** compiles 76 authoritative contributions from 120 of the world's leading experts on the global trend toward the rapidly increasing use of information technology in the public sector. Discussing such issues as e-government and e-commerce; project management and information technology evaluation; system design and data processing; security and protection; and privacy, access, and ethics of public information technology, the **Handbook of Research on Public Information Technology** is a must-have for all academic, research, and public administration libraries.

Key Features

- 76 authoritative contributions by 120 of the world's leading experts in public information technology from over 15 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 4,000 references to existing literature and research on public information technology
- A compendium of over 550 key terms with detailed definitions
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“These articles come highly recommended and introduce innovative applications, trends and technologies within this fast growing area of information science and technology.”

— G. David Garson, North Carolina State University, USA

Encyclopedia of Digital Government (3-Volume Set)

Topics Covered Include:

- Citizen Relationship Management
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- Data Mining and Homeland Security
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- E-Government Policy and Regulation
- E-Law and E-Enforcement
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- E-Moderation in Public Discussion Forums
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- Ethical Dilemmas in Online Research
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- History of Digital Transformation
- Information Sharing as a Democratic Tool
- Legal Knowledge Systems
- Models of Digital Government
- Open-Source Software in Government
- Practices of E-Democracy
- Trust in Digital Government
- Virtual Policy Networks

Ari-Veikko Anttiroiko, University of Tampere, Finland, and Matti Mälikä, Police College of Finland, Finland

The **Encyclopedia of Digital Government** offers the most comprehensive coverage of the issues, concepts, trends, and technologies of digital government (or electronic government). The challenges and future prospects faced by governments at different institutional levels and in different parts of the world are described in explicit detail in this commanding encyclopedia. With 253 detailed articles, this three-volume set provides a broad basis for understanding the issues, theories, and applications faced by public administrations and public organizations as they strive for more effective government through the use of emerging technologies. This comprehensive, research-based publication is an essential reference tool for academic, public, and private libraries.

Key Features

- 253 authoritative contributions by over 340 of the world's leading experts in electronic government from 44 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 5,500 references to existing literature and research on digital government
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"[...] this encyclopedia is truly unique in its content and approach. Divided into 12 sections and over 50 categories, the 3-volume work provides the handiest access to current information about various aspects of information and communication technologies impacting all levels of government."
— *American Reference Books Annual* (Vol. 38; 2007)

Previously Published Titles

Encyclopedia of E-Commerce, E-Government, and Mobile Commerce (2-Volume Set)

Mehdi Khosrow-Pour, Information Resources Management Association, USA

The **Encyclopedia of E-Commerce, E-Government, and Mobile Commerce** provides the most inclusive and up-to-date coverage of the e-technologies field. This two-volume encyclopedia includes quality contributions highlighting current concepts, trends, challenges, applications, and dot-com experiences in the field of e-commerce, e-government, and mobile commerce. With over 200 contributions from more than 300 experts and researchers worldwide, and extensive reference sections which list more than 4,400 additional research works, this encyclopedia stands as the most comprehensive, research-based encyclopedia in the ever-evolving field of e-commerce, e-government, and mobile commerce.



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- Decision analysis for business to adopt RFID
- Distributed Web GIS
- Enabling technologies and applications
- Mobile ad-hoc networks
- Mobile commerce and business
- Mobile computing in learning
- Mobile enterprise implications for society
- Mobile entertainment
- Mobile gaming
- Mobile GIS
- Mobile information systems
- Mobile multimedia
- Mobile to consumer applications
- Mobile virtual communities
- Pervasive computing
- Privacy concerns for indoor location-based services
- Service technologies
- Transaction management
- Wireless security
- Wireless sensor networks
- Workflow management systems in MANETS

David Taniar, Monash University, Australia

The **Encyclopedia of Mobile Computing and Commerce** is an exhaustive reference to authoritative research on the most significant issues in this emerging environment. This two volume compendium presents current trends in mobile computing and their potential use in business and commerce. This encyclopedia contains over 150 comprehensive articles, written by 302 renowned scholars and practitioners, exploring the latest concepts, technologies, and innovations in this rapidly expanding field and their applications in realms ranging from consumer purchases to gaming. The **Encyclopedia of Mobile Computing and Commerce** is an indispensable reference work for every academic, public, and private library.

Key Features

- Over 150 authoritative contributions by 302 of the world's leading experts in mobile computing from 32 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 3,000 references to existing literature and research on m-commerce
- A compendium of more than 1,200 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“Taniar's two-volume encyclopedia, providing thorough essays on the current trends, technologies, applications, and concepts of mobile computing and commerce, is one of a kind. Recommended.”

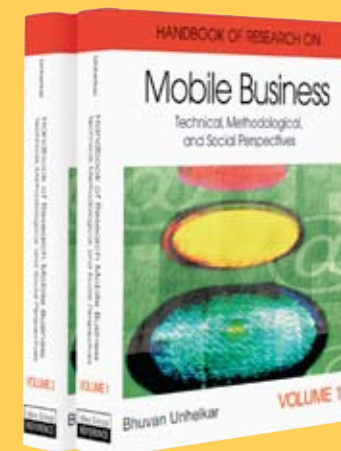
— CHOICE, Vol. 45, No. 06 (2008)

Previously Published Titles

Handbook of Research in Mobile Business: Technical, Methodological, and Social Perspectives (2-Volume Set)

Bhuvan Unhelkar, Univ. of West. Sydney, Australia

The **Handbook of Research in Mobile Business: Technical, Methodological, and Social Perspectives** is the premier reference source for the latest research and scientific findings in the constantly expanding field of mobile business. This two-volume collection of 63 comprehensive chapters brings together the practical experiences and knowledge of researchers and academics, making it the single most significant contribution on understanding the usage and application of mobile technologies and networks in global business. This Handbook of Research provides ground-breaking strategic input into the future of mobile technologies, bringing together the best in thoughts and practices of this fascinating, global technology.



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Handbook of Research on Global Information Technology Management in the Digital Economy

Topics Covered Include:

- Advances in global Web communications
- Business and IT alignment
- Computer mediated communication
- Cultural influences on information technology
- Digital preservation
- Dissemination
- E-commerce
- Economic development
- Electronic highways
- Global consumer and business practices and interactions
- Global enterprise systems
- Global impact of e-commerce connectivity
- Global information technology diffusion and infrastructure
- Impact of information technology on socioeconomic development
- Implications of global-range technology applications
- Information technology in developing countries
- Managing information technology in multi/trans-national corporations
- Mobile technologies
- Outsourcing
- Security, integrity, privacy, and policy issues

Mahesh S. Raisinghani, Texas Woman's University, USA

Today's enterprises are increasingly going global by becoming more distributed, leveraging resource bases in all parts of the world. Whether through offshore relationships, global support or application development programs, or linking disparate parts of organizations, enterprises are reducing costs by managing applications centrally, boosting security, and assuring network uptime.

The **Handbook of Research on Global Information Technology Management in the Digital Economy** provides comprehensive coverage and definitions of the most important issues, concepts, trends and technologies in the field of the emerging sub-discipline of global information technology management, covering topics such as the technical platform for global IS applications, information systems projects spanning cultures, managing information technology in multi-domestic/international/global/transnational corporations, and global information technology systems and socio-economic development in developing countries. With 25 authoritative contributions from 34 of the world's leading experts, this publication is a must-have for academic and research libraries.

Key Features

- 25 authoritative contributions by 34 of the world's leading experts in global information technology
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- Hundreds references to existing literature and research on global IT
- Numerous key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to global information technology
- FREE institution-wide access to the online version with the purchase of the print publication



“This is a valuable source for educators, researchers, and practitioners for research, practice, and teaching on global information technology management.”

— Sushil Sharma, Ball State University, USA

ISBN: 978-1-59904-875-8; 588 pp; © 2008; Available Now
US \$245.00 hardcover
Online Access Only*: US \$195.00

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Handbook of Research on Global Diffusion of Broadband Data Transmission (2-Volume Set)

Topics Covered Include:

- Broadband Adoption in Rural Settings
- Bridging the Digital Divide through Broadband Deployment
- Broadband Adoption & Diffusion
- Broadband Adoption Survey Instrument
- Broadband for Health in Developing Countries
- Broadband Governmental and Cultural Factors
- Broadband Social, Political, and Ethical Responsibility
- Broadband Telecommunications
- Broadband User Behavior Characterization
- Competition in Broadband Diffusion
- Consumer-User Behavior in Broadband
- Developing a Dynamic View of Broadband Adoption
- Digital Divide
- Mainstream Broadband Adoption
- National Policies on Broadband Deployment
- Regulation and the Deployment of Broadband
- Security and Regulations in Broadband
- Socio-cultural Interpretations
- Use and Benefits of Broadband

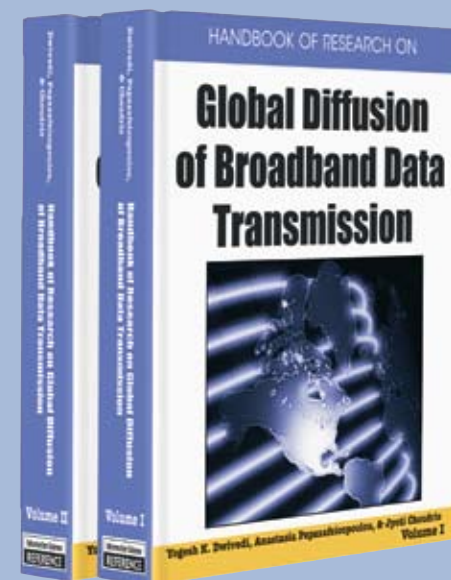
Yogesh K. Dwivedi, Swansea University, UK, Anastasia Papazafeiropoulou, Brunel University, UK, and Jyoti Choudrie, University of Hertfordshire, UK

Large investments have been made by various governments for the deployment of broadband within their respective nations; however, the citizens of such countries have demonstrated a slow adoption of this technology.

The **Handbook of Research on Global Diffusion of Broadband Data Transmission** explores broadband adoption and the digital divide through a global perspective, providing up-to-date research on constructs such as relative advantage, utilitarian outcomes, hedonic outcomes, and service quality. Compiling cutting-edge research from over 100 noted experts in 29 countries, this invaluable reference source allows policy makers, internet service providers, and others to gain multicultural insight into what factors actively influence consumers' decisions to adopt broadband.

Key Features

- 50 authoritative contributions by over 100 of the world's leading experts in global diffusion of broadband data transmission from 29 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,900 references to existing literature and research on broadband data transmission
- A compendium of over 375 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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ISBN: 978-1-59904-851-2; 988 pp; February 2008
US \$495.00 hardcover
(Pre-pub price**: US \$455.00)
Online Access Only*: US \$435.00

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** Pre publication price is good through one month after publication

“Finally a book that answers all your questions on broadband data technologies covering the widest range of topics yet available! This handbook offers a truly global perspective on the diffusion of broadband data technologies, which makes it an indispensable acquisition for libraries.”

— Aradhana Srivastava, Jawaharlal Nehru University, India

Encyclopedia of Healthcare Information Systems (3-Volume Set)

Topics Covered Include:

- Business process redesign
- Computerized medical records
- Costs of healthcare delivery
- Economic implications of IT in healthcare
- Efficiency in the healthcare system
- E-health
- Equitability in healthcare
- Ethics in healthcare
- Evaluation of medical technologies
- Future of medical informatics
- Healthcare quality control
- IT implications in healthcare
- IT innovations
- Knowledge management
- Manufacturing of medical technologies
- Medical information integrity
- Medical information security
- Medical technologies in academia
- Medical technologies in government
- Patient preferences, needs, and values
- Patient safety
- Patient-centered healthcare organizations
- Pharmaceutical manufacturing
- Physician-patient communication
- Remote access to healthcare
- Telehealth

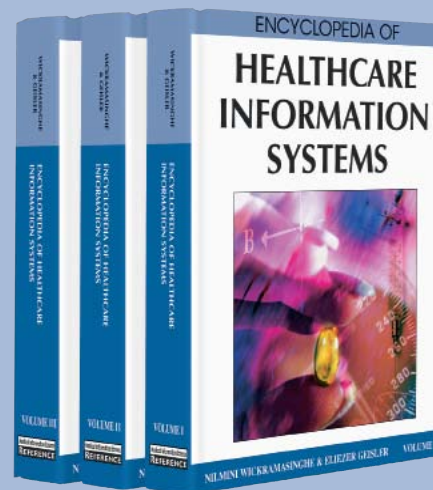
Nilmini Wickramasinghe and Eliezer Geisler, Illinois Institute of Technology, USA

Healthcare, a vital industry that touches most of us in our lives, faces major challenges in demographics, technology, and finance. Longer life expectancy and an aging population, technological advancements that keep people younger and healthier, and financial issues are a constant strain on healthcare organizations' resources and management. Focusing on the organization's ability to improve access, quality, and value of care to the patient may present possible solutions to these challenges.

The **Encyclopedia of Healthcare Information Systems** provides an extensive and rich compilation of international research, discussing the use, adoption, design, and diffusion of information communication technologies (ICTs) in healthcare, including the role of ICTs in the future of healthcare delivery; access, quality, and value of healthcare; nature and evaluation of medical technologies; ethics and social implications; and medical information management.

Key Features

- 178 authoritative contributions by over 400 of the world's leading experts in healthcare information systems from 38 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the healthcare information systems field
- More than 4,000 references to existing literature and research on healthcare information systems
- A compendium of over 1,200 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to healthcare information systems
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ISBN: 978-1-59904-889-5; 1,548 pp; May 2008
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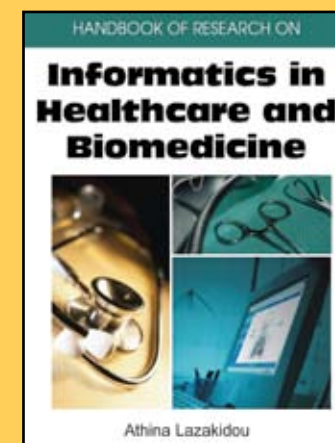
"This encyclopedia provides an extensive and rich compilation of various ICT initiatives and the role that ICT plays and will play in the future of healthcare delivery be it in terms of enhancing clinical delivery or enabling administrative activities."
— Nilmini Wickramasinghe, Illinois Institute of Technology, USA

Previously Published Titles

Handbook of Research on Informatics in Healthcare and Biomedicine

Athina A. Lazakidou, University of Piraeus, Greece

The **Handbook of Research on Informatics in Healthcare and Biomedicine** is the single authoritative reference source for information on the newest trends and breakthroughs in computer applications applied to healthcare and biomedicine. Innovative technologies in health information systems, medicine, health services, and other areas in biomedicine are explored. The comprehensive chapters contained in this handbook of research have been written by 99 international experts from the field of healthcare and IT. More than 900 references to existing publications and a wide-ranging compendium of over 450 key terms and definitions have been included to provide readers with the ultimate research tool.



ISBN: 1-59140-982-9; 479 pp; © 2006; Available Now
US \$215.00 hardcover
Online Access Only*: US \$172.00

*Online Access is for institutions and is good for the life of the edition

Handbook of Research on Computer Mediated Communication (2-Volume Set)

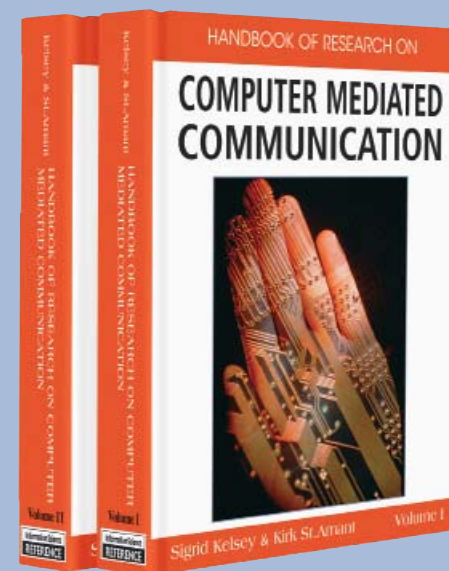
Sigrid Kelsey, Louisiana State University, USA, and Kirk St.Amant, East Carolina University, USA

Technology has changed communication drastically in recent years, facilitating the speed and ease of communication, and also redefining and shaping linguistics, etiquette, and social communication norms.

The **Handbook of Research on Computer Mediated Communication** provides academics and practitioners with an authoritative collection of research on the implications and social effects computers have had on communication. With 63 chapters of innovative research contributed by over 90 of the world's leading experts in computer mediated communication, the **Handbook of Research on Computer Mediated Communication** is a must-have addition to every library collection.

Key Features

- 63 authoritative contributions by over 90 of the world's leading experts in computer mediated communication from 16 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,500 references to existing literature and research on computer mediated communication
- A compendium of over 500 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to computer mediated communication
- FREE institution-wide access to the online version with the purchase of the print publication



- Topics Covered Include:**
- Accessible Design for Communication on the Web
 - Affective Collaborative Instruction with Librarians
 - Building Identity through Online Collaboration
 - Chat Rooms for Language Teaching and Learning
 - Computer Mediated Collaboration
 - Computer-Mediated Negotiations and Deception
 - Computer-Mediated Speech Technology
 - Corporate Blogging
 - Email Distribution Lists in Adult Learning
 - Human-Robot Interaction
 - Innovations and Motivations in Online Chat
 - Instant Messaging as a Hypermedium
 - Knowledge Communication with Shared Databases
 - Peer-to-Peer Networking
 - Podcasting and Really Simple Syndication (RSS)
 - Solidarity and Rapport in Social Interaction
 - Terminological Obfuscation in Online Research
 - Use of CMC Technologies in Academic Libraries

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ISBN: 978-1-59904-863-5; 793 pp; April 2008
US \$495.00 hardcover
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* Online Access is for institutions and is good for the life of the edition
** Pre publication price is good through one month after publication

"The Handbook of Research on Computer Mediated Communication is a book that is long overdue and sheds significant light on several aspects of CMC. I strongly recommend it."

— Bolanle Olaniran, Texas Tech University, USA

Encyclopedia of Information Communication Technology (2-Volume Set)

Antonio Cartelli and Marco Palma, University of Cassino, Italy

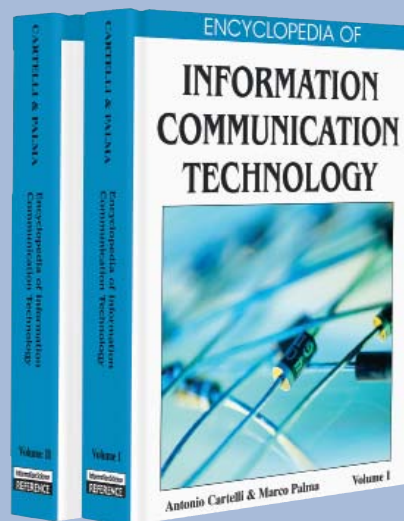
Topics Covered Include:

- Collaborative Knowledge Management (CKM)
- Computer Simulations and Scientific Knowledge Construction
- Cultural Changes Influenced by ICT
- Dynamic Reconstruction of Concept Maps
- Enterprise Knowledge Management
- Evaluation and Assessment in Education and E-Learning
- ICT and the Virtual Organization
- ICT Environments for Learning
- Impact of Technology on Society
- Integrative Approach to User Interface Design
- Intelligent User Preference Mining
- Methodological Models and Typologies of E-learning
- Participatory Design Project on Mobile ICT
- Product and Service Development with ICT
- Scientific and Didactic Communication
- Scientific Knowledge Theories
- Semantic Web Adaptation
- Technology Tools for Education
- Video Object Segmentation
- Virtual Communities

The **Encyclopedia of Information Communication Technology** (ICT) is a comprehensive resource describing the influence of information communication technology in scientific knowledge construction, with emphasis on the roles of product technologies, process technologies, and context technologies. Through 111 authoritative contributions by 93 of the world's leading experts this reference covers the materials and instruments of information technology: from ICT in education to software engineering; the influence of ICT on different environments, including e-commerce, decision support systems, knowledge management, and more; and the most pervasive presence of information technology, including studies and research on knowledge management, the human side of ICT, ICT in healthcare, and virtual organizations, among many others. Addressing many of the fundamental issues of information communication technology, the **Encyclopedia of Information Communication Technology** will be a top-shelf resource for any reference library.

Key Features

- 111 authoritative contributions by 93 of the world's leading experts in information communication technology from 16 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,500 references to existing literature and research on ICTs
- A compendium of over 800 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to information communication technology
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ISBN: 978-1-59904-845-1; 873 pp; April 2008
 US \$565.00 hardcover
 (Pre-pub price**: US \$525.00)
 Online Access Only*: US \$505.00

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 ** Pre publication price is good through one month after publication

"The Encyclopedia of Information Communication Technology offers both a breadth and depth of coverage in issues linking ICT, e-learning, and instructional design that cannot be easily found elsewhere. This encyclopedia should be included in any library."

— Athanasios Jimoyiannis, University of Peloponnesse, Greece

Previously Published Titles

Encyclopedia of Information Science and Technology (5-Volume Set)

Mehdi Khosrow-Pour, Information Resources Management Association, USA

The **Encyclopedia of Information Science and Technology** is the first work to map this ever-changing field. It is the most comprehensive, research-based encyclopedia consisting of contributions from over 900 noted researchers in over 50 countries. This five-volume encyclopedia includes more than 550 articles highlighting current concepts, issues and emerging technologies. These articles are enhanced by special attention that is paid to over 5,000 technical and managerial terms. In addition, these volumes offer a thorough reference section with over 11,500 sources of information that can be accessed by scholars, students, and researchers in the field of information science and technology. These wide-ranging, user-friendly alphabetically organized volumes are an important addition for your library collection.



ISBN: 1-59140-553-X; 3,807 pp; © 2005; Available Now
 US \$1,125.00 hardcover
 Online Access Only*: US \$900.00

*Online Access is for institutions and is good for the life of the edition

Handbook of Research on Digital Information Technologies: Innovations, Methods, and Ethical Issues

Thomas Hansson, University of Southern Denmark, Denmark

Topics Covered Include:

- Classroom Multiliteracies
- Collaborative Web Based Research Tools
- Communication and Relation Building in Social Systems
- Digital Information Technology
- Digital Storytelling
- Education Research with Electronic Focus Groups
- Ethical Issues in Digital Information Technology
- Human Factors and Innovation with Mobile Devices
- Internet-Based Laboratory
- Mobile Devices
- Mobile Learning in a Social, Ethical and Legal Environment
- Multimedia Performance in Educational Research
- Online Focus Groups
- Online Pedagogical Effectiveness in Adult Contexts
- Online Readability and Information Literacy
- Reflective E-Learning Pedagogy
- Technology-Enhanced Learning in the Corporate Context
- Virtual Conference
- Virtual Learning Environment Blends
- Virtual Networks
- Web Course Design

Many people today struggle with problematic ICT interfaces in their attempts to adapt to the ever-changing digital information environment. To effectively address these issues with strong, highly usable, and effective solutions, it is essential to keep pace with the newest advances in the field.

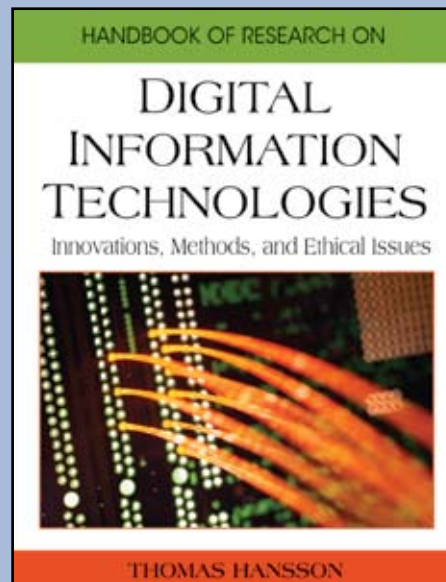
With more than 1,300 references to existing literature and 253 key terms with detailed definitions the **Handbook of Research on Digital Information Technologies: Innovations, Methods, and Ethical Issues** addresses this need for complete information on the current state of best techniques and practices. Through 33 authoritative contributions by 60 of the world's leading experts this publication presents a full spectrum of successful designs, defined as communicative relation-building solutions, for individuals and collectives of interlocutors. The handbook also includes a longitudinal perspective of past mistakes, current trends and future opportunities, and is a must-have for beginners in the field as well as qualified professionals exploring the full potential of human interactions as facilitated by digital technologies.

Key Features

- 33 authoritative contributions by 60 of the world's leading experts in digital information technologies
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,300 references to existing literature and research on digital IT
- A compendium of 253 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to digital IT
- FREE institution-wide access to the online version with the purchase of the print publication

ISBN: 978-1-59904-970-0; 513 pp; May 2008
 US \$265.00 hardcover
 (Pre-pub price**: US \$235.00)
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 ** Pre publication price is good through one month after publication



“The contents of the handbook will expand knowledge in this field because the coverage of the chapters provides a source of reference for trans-disciplinary approaches to digital information technologies. Practitioners, scholars and decision makers will find a rich source for understanding concepts, issues, problems, trends, challenges and opportunities related to ICT.”

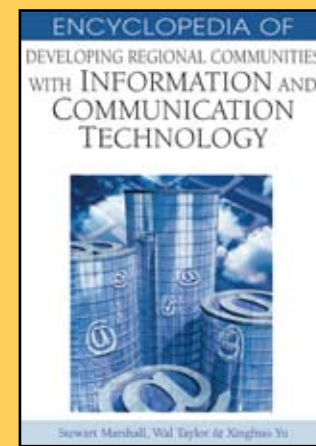
— Thomas Hansson, University of Southern Denmark, Denmark

Previously Published Titles

Encyclopedia of Developing Regional Communities with Information and Communication Technology

Stewart Marshall, University of West Indies, Barbados, Wal Taylor, Cape Peninsula University of Technology, South Africa, Xinghuo Yu, and Royal Melbourne Institute of Technology, Australia

The **Encyclopedia of Developing Regional Communities with Information and Communication Technology** is an important and timely reference source on all topics related to the emerging field of information and communication technology (ICT) and its role in developing regional communities. With 171 leading international contributors from 40 countries, over 940 terms and definitions, and more than 2,200 references, this publication is the single indispensable source of knowledge related to ICT and its strong positive impacts on the economic development of regional communities around the world.



ISBN: 1-59140-575-0; 804 pp; © 2006; Available Now
 US \$255.00 hardcover
 Online Access Only*: US \$204.00

*Online Access is for institutions and is good for the life of the edition

Dictionary of Information Science and Technology (2-Volume Set)

Mehdi Khosrow-Pour, Information Resources Management Association, USA

Topics Covered Include:

- Accounting information systems
- Communication technology
- Communities of practice
- Data warehousing and mining
- Database technologies and applications
- Decision support systems
- Distance learning
- E-commerce, e-government and mobile commerce
- Electronic and mobile commerce
- End user computing
- Global IT management
- Human computer interaction
- Information and communication technology
- IT business value
- IT personnel
- Literacy in technology
- Knowledge management
- Mobile business
- Mobile computing and commerce
- Multimedia
- Regional and virtual communities
- Software engineering
- Strategic IT management
- Virtual communities and technologies
- Web technologies

The **Dictionary of Information Science and Technology** is the premier, comprehensive reference source compiled of the latest terms and definitions related to all aspects of the information science and technology field. This complete and timely collection of approximately 10,000 terms and acronyms provides researchers, practitioners, educators, and students with the most accurate and up-to-date knowledge of keywords in the ever-expanding world of information science and technology.

Terms and definitions included in this important reference publication were contributed by over 2,500 noted researchers from over 40 countries. There is no single definition in existence for each element of the vocabulary, so individual researchers have formed distinctive descriptions of the terminology, providing a much more meaningful and broader understanding of each term. The **Dictionary of Information Science and Technology** is a valuable, essential reference publication for libraries and individuals worldwide.

Key Features

- Definitions of thousands of unique keywords and acronyms in a single reference source
- Contributions from 2,500 internationally renowned experts
- Comprehensive index of key terms with cross referencing
- Complete bibliographic information for each definition
- Corresponding online database with regular updates



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ISBN: 978-1-59904-385-2; 1,016 pp; © 2007; Available Now US \$495.00 hardcover
Online Access Only*: US \$450.00/year

*Complimentary online access does not include the Dictionary of Information Science Technology

“This online dictionary contains more than 9,700 entries from a variety of sources, covering topics such as knowledge management, database technologies, distance learning, multimedia and networking, and more. The site's layout is uncomplicated, and search boxes are easy to use. For a field that changes as rapidly as information science and technology, this resource can be a very nice addition, or alternatively to print, for any academic reference collection. Recommended.”

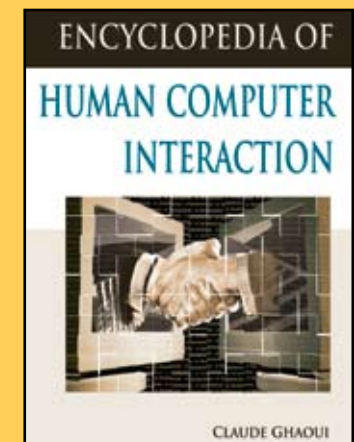
— CHOICE, Vol. 45, No. 3 (2007)

Previously Published Titles

Encyclopedia of Human Computer Interaction

Claude Ghaoui, Liverpool John Moores Univ., UK

The **Encyclopedia of Human Computer Interaction** is the most thorough and definitive source providing coverage of everything related to the field of human computer interaction (HCI). This encyclopedia covers a wide range of HCI related topics such as concepts, design, usability, evaluation, innovations, and applications of HCI in organizations around the globe. Over 120 contributors and advisors from around the world have conferred their expertise to this publication, and with over 830 key terms and definitions as well as more than 2,600 references, this encyclopedia is the single source of authoritative and contemporary research in field of human computer interaction.



ISBN: 1-59140-562-9; 780 pp; © 2006; Available Now US \$255.00 hardcover
Online Access Only*: US \$204.00

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Encyclopedia of Information Ethics and Security

Topics Covered Include:

- Computer Ethics and Intelligent Technologies
- Computer Worms, Detection, and Defense
- Cyber Terrorism
- Electronic Signatures and Ethics
- Ethical Approach to Gathering Survey Data Online
- Ethical Dilemmas in Data Mining and Warehousing
- Ethical Usability Testing with Children
- Federal Information Security Law
- Formulating a Code of Cyberethics for a Municipality
- Hackers and Cyber Terrorists
- Internet Piracy and Copyright Debates
- Intrusion Detection and Information Security Audits
- IT Security Culture Transition Process
- Parental Rights to Monitor Internet Usage
- Personal Information Ethics
- Privacy and Online Data Collection
- Protection of Mobile Agent Data
- Spyware
- Taxonomy of Computer and Information Ethics

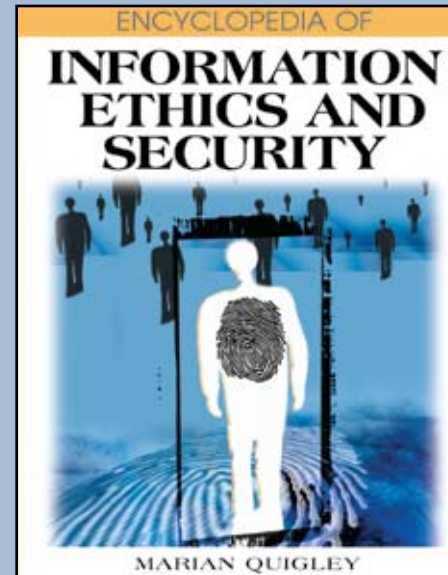
Marian Quigley, Monash University, Australia

Rapid technological advancement has created new ethical dilemmas and security challenges, while the development of appropriate ethical codes and security measures has failed to keep pace. This makes the education of computer users and professionals crucial.

The **Encyclopedia of Information Ethics and Security** is the original, comprehensive reference source on ethical and security issues relating to the latest technologies. Covering a wide range of themes, this valuable reference tool includes topics such as computer crime, information warfare, privacy, surveillance, intellectual property and education. Over 150 contributors from 19 different countries, 750 key terms, their definitions, and more than 2,000 comprehensive references make this the most inclusive reference source on the topic of information ethics and security. A useful tool for academics, researchers, and educators, this encyclopedia is an invaluable resource for any library.

Key Features

- 95 authoritative contributions by over 150 of the world's leading experts in information ethics and security from 19 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,000 references to existing literature and research on information ethics
- A compendium of 750 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to information security
- FREE institution-wide access to the online version with the purchase of the print publication



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Purdue University, USA

"The Encyclopedia of Information Ethics and Security contains 95 entries concerning information ethics and security and aims to provide a valuable resource for the student as well as teachers, researchers, and professionals in the field."

— Marian Quigley, Monash University, Australia

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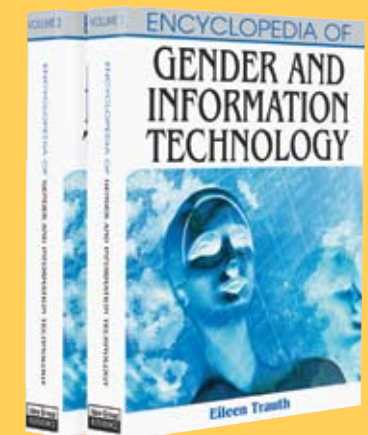
*Online Access is for institutions and is good for the life of the edition

Previously Published Titles

Encyclopedia of Gender and Information Technology (2-Volume Set)

Eileen M. Trauth, Pennsylvania State University, USA

The **Encyclopedia of Gender and Information Technology** is the only reference work that provides an all-encompassing perspective on the way gender and information technology impact each other. Hundreds of leading international experts have compiled their research about the role of gender in human interaction with IT and the IT profession. Special attention is paid to the contributions, challenges, issues, and experiences of women in the IT field. These two volumes include 213 entries with over 4,700 references to additional works on gender and information technology in order to stimulate further research. The **Encyclopedia of Gender and Information Technology** is a must-have publication for every library.



ISBN: 1-59140-815-6; 1,451 pp; © 2006; Available Now
US \$525.00 hardcover
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Encyclopedia of Information Technology Curriculum Integration (2-Volume Set)

Lawrence A. Tomei, Robert Morris University, USA

Topics Covered Include:

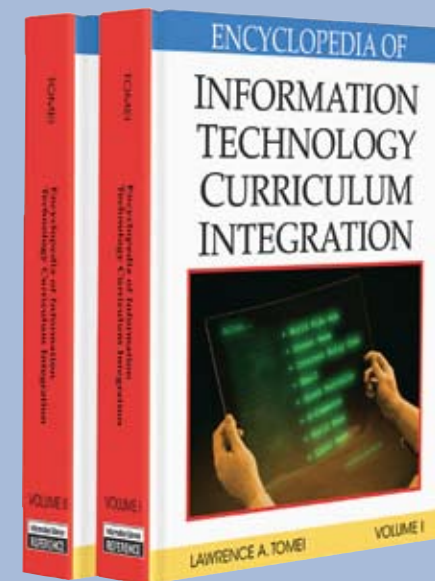
- Behavior Analysis and ICT Education
- Behavioral, Cognitive, and Humanistic Theories that Guide Online Course Design
- Computer Technologies in Logic Education
- Differentiated Instruction and Technology
- Distance Education and Learning Style
- Educational Accessibility to Technology
- Electronic Textbook Technology in the Classroom
- Group Collaboration in Education
- Integrating E-Government into the Business Curriculum
- Learning Styles in Online Environments
- Multicultural Education and Technology Integration
- Online Academic Advising
- Online Mentoring in Education
- Pedagogical Agents in Online Learning
- Service-Oriented Architecture in Higher Education
- Shared Networks in Technology Education
- Simulation in Teaching and Training
- Student Response Systems for Active Learning

As more and more universities, schools, and corporate training organizations develop technology plans to ensure technology will directly benefit learning and achievement, the demand is increasing for an all-inclusive, authoritative reference source on the infusion of technology into curriculums worldwide.

The **Encyclopedia of Information Technology Curriculum Integration** amasses a comprehensive resource of concepts, methodologies, models, architectures, applications, enabling technologies, and best practices for integrating technology into the curriculum at all levels of education. Compiling 154 articles from over 125 of the world's leading experts on information technology, this authoritative reference strives to supply innovative research aimed at improving academic achievement, teaching and learning, and the application of technology in schools and training environments.

Key Features

- 154 authoritative contributions by over 125 of the world's leading experts in information technology curriculum from 15 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 3,100 references to existing literature and research on IT curriculum
- A compendium of over 1,100 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to IT curriculum
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“The Encyclopedia of Information Technology Curriculum Integration advances our understanding of theories and research for the more general classroom covering a host of topics from active learning with technology to wireless computer labs.”

— Lawrence Tomei, Robert Morris University, USA

Encyclopedia of Decision Making and Decision Support Technologies (2-Volume Set)

Topics Covered Include:

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- Contextualization in Decision Making and Decision Support
- Cooperative Decision Support Systems
- Data Warehousing for Decision Support
- Decision Making Support in Emergency Response
- Decision Support and Problem Formulation Activity
- Decision Support System for Selecting Secure Web Services
- Diagrammatic Decision Support Modeling Tools
- Dynamic System Simulation for Decision Support
- Ethical Decision Making
- Evaluation of Decision Making Support Systems
- Fuzzy Decision Trees
- Group Verbal Decision Analysis
- Intelligent Agents in Decision Support System
- Mobile Decision Support for Time-Critical Decision Making
- Next Generation Analytics and Dynamic Decision Support
- Policy Decision Support through Social Simulation
- Supply Chain Information Systems and Decision Support
- The Power of Incentives in Decision Making

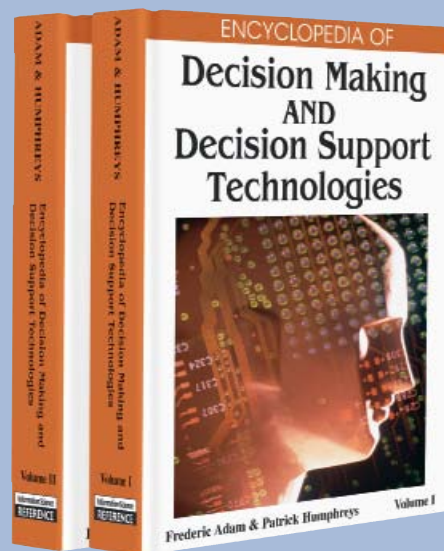
Frederic Adam, University College Cork, Ireland, and Patrick Humphreys, London School of Economics, UK

As effective organizational decision making is a major factor in a company's success, a comprehensive account of current available research on the core concepts of the decision support agenda is in high demand by academicians and professionals.

Through 110 authoritative contributions by over 160 of the world's leading experts the **Encyclopedia of Decision Making and Decision Support Technologies** presents a critical mass of research on the most up-to-date research on human and computer support of managerial decision making, including discussion on support of operational, tactical, and strategic decisions, human vs. computer system support structure, individual and group decision making, and multi-criteria decision making.

Key Features

- 110 authoritative contributions by over 160 of the world's leading experts in decision making and decision support technologies from 32 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,800 references to existing literature and research on decision making
- A compendium of over 750 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“This book brings knowledge about tools, techniques and methods for helping people to make better decisions under one cover. It is very impressive, well written and logically organized.”

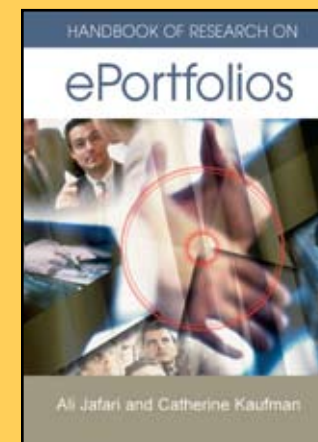
— Frada Burstein, Monash University, Australia

Previously Published Titles

Handbook of Research on E-Portfolios

Ali Jafari, Indiana University-Purdue University Indianapolis, USA, and Catherine Kaufman, ePortConsortium, USA

The **Handbook of Research on E-Portfolios** is the single source for comprehensive coverage of the major themes of ePortfolios, addressing all of the major issues, from concept to technology to implementation. It is the first reference publication to provide a complete investigation on a variety of ePortfolio uses through case studies and supporting technologies, and also explains the conceptual thinking behind current uses and potential uses not yet implemented. Over 100 international experts with countless years of experience lend this handbook the credibility that assures its readers of its extensive, recent, and reliable content. The **Handbook of Research on E-Portfolios** is the first handbook to investigate commercial and academic ePortfolio systems—home-grown, off the shelf, and open source—and to supply proof-of-concept evidence of successful systems.



ISBN: 1-59140-890-3; 648 pp; © 2006; Available Now
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Encyclopedia of E-Collaboration

Topics Covered Include:

- Blogging Technology and its Support for E-Collaboration
- Collective Meaning in E-Collaborating Groups
- Cultural Influences on Virtual Teamwork Collaboration
- Design Patterns for Facilitation in E-Collaboration
- E-Collaboration and the Financial Auditor
- E-Collaboration Enhanced Host Security
- E-Collaboration Technologies Impact on Learning
- E-Collaboration through Blogging
- E-Collaborative Knowledge Construction
- Gender Differences and Cultural Orientation in E-Collaboration
- Global Funding of E-Collaboration Research
- Governance Mechanisms for E-Collaboration
- Instant Messaging as an E-Collaboration Tool
- Multilingual Collaboration in Electronic Meetings
- Sustainability of E-Collaboration
- Telework in the Context of E-Collaboration
- Videoconferencing as an E-Collaboration Tool
- Wikis as Tools for Collaboration

Ned Kock, Texas A&M International University, USA

E-collaboration, while having its roots in electronic technology such as telephones and other rudimentary electronic devices, has expanded dramatically with today's plethora of computer-supported cooperation and computer-mediated communication.

The **Encyclopedia of E-Collaboration** includes 109 authoritative contributions on information on the design and implementation of e-collaboration technologies, the behavioral impacts of e-collaboration technologies on individuals and groups, and theoretical considerations on links between the use of e-collaboration technology and behavioral patterns. With more than 2,600 references to existing literature and over 850 key terms this cutting-edge encyclopedia delivers indispensable content to libraries and researchers looking to develop programs of investigation into the use of electronic collaboration.

Key Features

- 109 authoritative contributions by 193 of the world's leading experts in e-collaboration from over 25 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,600 references to existing literature and research on e-collaboration
- A compendium of over 850 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“We live in a global world in which globally distributed work groups are fast becoming the norm. The *Encyclopedia of E-Collaboration* is the key resource needed by anyone researching about virtual teams or working on one. It covers all you need to know about how technologies are designed and used by virtual teams. It’s a “must-have” for all libraries and researchers!”

— Jane Fedorowicz, Bentley College, USA

Encyclopedia of Human Resources Information Systems: Challenges in e-HRM (2-Volume Set)

Teresa Torres-Coronas and Mario Arias-Oliva, Universitat Rovira i Virgili, Catalonia

Topics Covered Include:

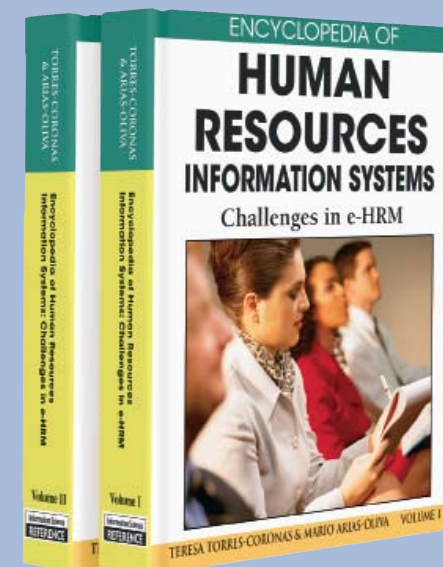
- Benchmarking Human Resource Information Systems
- Conflict Resolution in an e-HRM Environment
- Developing Web Services for Human Resources
- Efficiency of Electronic Recruiting Methods
- Electronic Employee Performance Management (EPM) Systems
- Electronic Monitoring in the Workplace
- Employee Incentives and Retention for an E-World
- Employees and Corporate Social Performance
- E-Training in Ethical Behavior
- HR-Relevant Virtual Communities
- Human Resources in the Balanced Scorecard System
- Human Resources Outsourcing Strategies
- Improving Employee Selection with Online Testing
- Networked Enterprise and Human Resources
- Occupational Culture and Socialization in IS
- Project Management Concepts for e-HRM
- Quality Assurance for Training
- Restructuring Human Resources Management Functions

Driven by significant internal and external forces, human resource management (HRM) has evolved from largely a maintenance function, to what many scholars and practitioners regard as a source of sustainable competitive advantage for organizations. In the information era, it is important for organizations to progressively incorporate technology into their processes.

The **Encyclopedia of Human Resources Information Systems: Challenges in e-HRM** rigorously analyzes key critical HR variables and defines previously undiscovered issues in the HR field. With 132 articles from 180 of the world's leading experts on the state of HRM technology, this comprehensive reference source is essential to academic libraries and to practitioners and academics seeking to understand all dimensions related to managing people in the information society.

Key Features

- 132 authoritative contributions by 180 of the world's leading experts in human resources information systems from over 20 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 3,500 references to existing literature and research on e-HRM
- A compendium of over 1,000 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to human resources information systems
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“Recognizing the need for substantive revision on the HRM field, this Encyclopedia is a star to analyze the management of people in the IT society through 132 chapters organized in nine separated sections.”

— Teresa Torres-Coronas, Universitat Rovira i Virgili, Catalonia

Handbook of Research on Electronic Surveys and Measurements

Topics Covered Include:

- Comparison of Online Surveys Tools
- Design and Development of an Electronic Survey System
- Electronic Data Collection Methods
- Electronic vs. Conventional Surveys
- Equivalence of Electronic and Off-Line Measures
- E-Survey Methodology
- Legal and Ethical Concerns of Collecting Data Online
- Measuring Cognitive Load
- Measuring Disagreement
- Measuring Internet Dependency
- Measuring Intrinsic Motivations
- Measuring Online Flow
- Online Advertising Metrics
- Online-Questionnaire Design Guidelines
- Opportunities and Constraints of Electronic Research
- Overcoming Challenges to Conducting Online Surveys
- Sampling in Online Surveys
- Software Design Tips for Online Surveys
- Web Credibility Measurement
- Web Site Experience Analysis
- Web Survey Methodology (WebSM) Portal
- Web-Based Survey Software for Academic Research

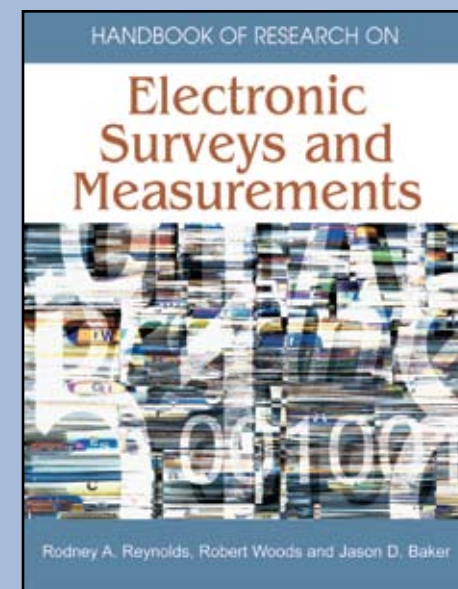
Rodney A. Reynolds, Azusa Pacific University, USA, Robert Woods, Spring Arbor University, USA, and Jason D. Baker, Regent University, USA

The **Handbook of Research on Electronic Surveys and Measurements** is the comprehensive reference source for innovative knowledge on electronic surveys. This commanding handbook of research provides complete coverage of the challenges associated with the use of the Internet to develop online surveys, administer Web-based instruments, and conduct computer-mediated assessments. More than 50 renowned experts in the field of electronic surveys and measurements have provided 58 comprehensive chapters, and the publication contains over 950 references to additional publications.

The **Handbook of Research on Electronic Surveys and Measurements** is the only work with cutting edge descriptions of the design, implementation, and use of electronic surveys, and also includes discussions on the challenges associated with online data collection and profiles of selected online measures. This combination of how-to information about online research coupled with profiles of specific measures makes it an indispensable reference for every library.

Key Features

- 56 authoritative contributions by 55 of the world's leading experts in electronic surveys and measurements
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 950 references to existing literature and research on electronic surveys
- A compendium of over 350 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to electronic surveys
- FREE institution-wide access to the online version with the purchase of the print publication



“The Handbook of Research on Electronic Surveys and Measurements is a comprehensive reference source on topics related to electronic surveys. The Handbook contains 56 chapters, definitions of 325 key terms, 950 references, and a short biography of the authors.”

— *Journal of Computing in Higher Education*, Vol. 20 (Fall 2008)

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Handbook of Research on Information Security and Assurance

Topics Covered Include:

- Authentication in Electronic Banking
- Bioterrorism and Biosecurity
- Cryptography for Information Security
- Data Security for Storage Area Networks
- Disruptive Technology Impacts on Security
- Distributed Denial of Service Attacks in Networks
- Evolution of Enterprise Security Federation
- Firewalls
- Formal Verification Centered Development Process for Security Protocols
- Human Factors in Information Security and Privacy
- Information Security Assurance and Risk Management
- Information Systems Risk Management
- Memory Corruption Attacks, Defenses, and Evasions
- Plugging Security Holes in Online Environment
- Privacy, Societal and Ethical Concerns in Security
- Securing E-mail Communication with XML Technology
- Security Policies and Procedures
- The Benefits, Security Risks, and Counter Risks of E-Commerce

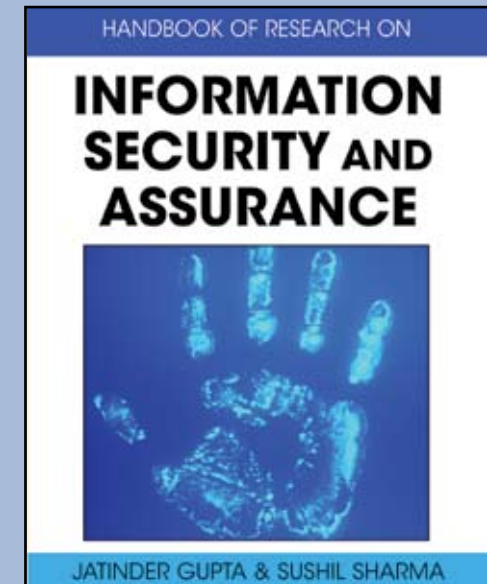
Jatinder N.D. Gupta, University of Alabama, USA, and Sushil K. Sharma, Ball State University, USA

While emerging information and internet ubiquitous technologies provide tremendous positive opportunities, there are still numerous vulnerabilities associated with technology. Attacks on computer systems are increasing in sophistication and potential devastation more than ever before. As such, organizations need to stay abreast of the latest protective measures and services to prevent cyber attacks.

The **Handbook of Research on Information Security and Assurance** includes 47 chapters offering comprehensive definitions and explanations on topics such as firewalls, information warfare, encryption standards, and social and ethical concerns in enterprise security. Edited by over 90 scholars in information science, this reference provides tools to combat the growing risk associated with technology.

Key Features

- 47 authoritative contributions by over 90 of the world's leading experts in information security and assurance
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,200 references to existing literature and research on information security
- A compendium of 384 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“The coverage of this handbook of research on information assurance and security provides a reference resource for both information science and technology researchers and also decision makers in obtaining a greater understanding of the concepts, issues, problems, trends, challenges and opportunities related to this field of study.”

— Jatinder N. D. Gupta, University of Alabama, USA

Handbook of Research on Nature-Inspired Computing for Economics and Management (2-Volume Set)

Topics Covered Include:

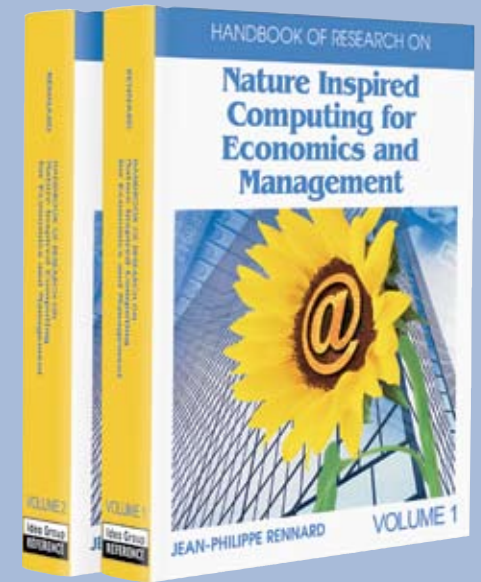
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- Applications of Neural Networks in Supply Chain Management
- Artificiality in Social Sciences
- Autonomous Systems with Emergent Behavior
- Building Distribution Networks Using Cooperating Agents
- Cognitively Based Modeling of Scientific Productivity
- Evolutionary Algorithms
- Evolutionary Modeling and Industrial Structure Emergence
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- Population Symbiotic Evolution in a Model of Industrial Districts
- Simulation in the Social Sciences

Jean-Philippe Rennard, Grenoble Graduate School of Business, France

The **Handbook of Research on Nature-Inspired Computing for Economics and Management** is the original, comprehensive reference work on research and applications of nature inspired computing to economics and management. It is an authoritative source, providing global coverage of this new and exciting field. Gathering the work of 112 internationally known contributors, this two-volume set explores how complexities found in nature can be modeled to simulate and optimize business situations. It provides practitioners a global view of the current and future applications of this ground-breaking technology, and also includes more than 1,900 references to existing literature in the field.

Key Features

- 58 authoritative contributions by 112 of the world's leading experts in computer modeling for business from 23 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,900 references to existing literature and research on nature-inspired computing
- A compendium of over 400 key terms with detailed definitions
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—*The Journal of Artificial Societies and Social Simulation*, Vol. 11, Issue 1 (2008).

Handbook of Research on Ubiquitous Computing Technology for Real Time Enterprises

Topics Covered Include:

- Adaptive Security for Ubiquitous Computing Systems
- CoBIs: Collaborative Business Items
- Context Models and Context Awareness
- Grid Computing for Business Applications
- Intelligent User Interfaces for Ubiquitous Computing
- Mobile Speech Recognition
- Mouth and Ear Interaction
- Multimodal and Federated Interaction
- Multimodal Software Engineering
- Ontologies for Scalable Services-Based Ubiquitous Computing
- Opportunistic Networks
- Peer-to-Peer Systems
- Product Lifecycle Management and Information Tracking
- Security for Ubiquitous Computing
- Smart Items in Real Time Enterprises
- Trust and Accountability in Ubiquitous Computing
- Ubiquitous Services and Business Processes
- Using Smart Embedded Systems
- Wireless and Mobile Communications

Max Mühlhäuser and Iryna Gurevych, Technische Universität Darmstadt, Germany

After the mainframe and personal computer eras, the third major era in computer science, ubiquitous computing, describes the state of technology in which networked computers would surround every user.

The **Handbook of Research on Ubiquitous Computing Technology for Real Time Enterprises** combines the fundamental methods, algorithms, and concepts of pervasive computing with current innovations and solutions to emerging challenges. With more than 25 authoritative contributions by over 50 of the world's leading experts this groundbreaking resource systemically covers such salient topics as network and application scalability, wireless network connectivity, adaptability and "context-aware" computing, information technology security and liability, and human-computer interaction.

Key Features

- More than 25 authoritative contributions by over 50 of the world's leading experts in ubiquitous computing
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- Hundreds of references to existing literature and research on ubiquitous computing for real time enterprises
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to ubiquitous computing
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"The great strength of this book is its truly broad coverage of the subject. Current research topics such as context-aware computing, wireless connectivity, and the Internet of things are complemented by chapters covering a whole spectrum of challenges ranging from scalability to multimodal human computing interaction."

— Tony Hey, Corporate VP, Microsoft Corporation, USA

Encyclopedia of Artificial Intelligence (3-Volume Set)

Topics Covered Include:

- AI Methods for Analyzing Microarray Data
- Algorithms for Association Rule Mining
- Ambient Intelligence Environments
- Artificial Intelligence and Education
- Artificial Intelligence for Information Retrieval
- Artificial Neural Networks and Cognitive Modelling
- Bayesian Neural Networks for Image Restoration
- Bio-inspired Algorithms in Bioinformatics
- Cluster Analysis of Gene Expression Data
- Decision Making In Intelligent Agents
- Developmental and Evolutionary Robotics
- Evolutionary Computing Approach for Ad-Hoc Networks
- Genetic Algorithms for Wireless Sensor Networks
- Incorporating Fuzzy Logic in Data Mining Tasks
- Intelligent Classifier for Atrial Fibrillation (ECG)
- Modularity in Artificial Networks
- Multi-Objective Training of Neural Networks
- Neural Networks on Handwritten Signature Verification
- Ontologies and Processing Patterns for Microarrays

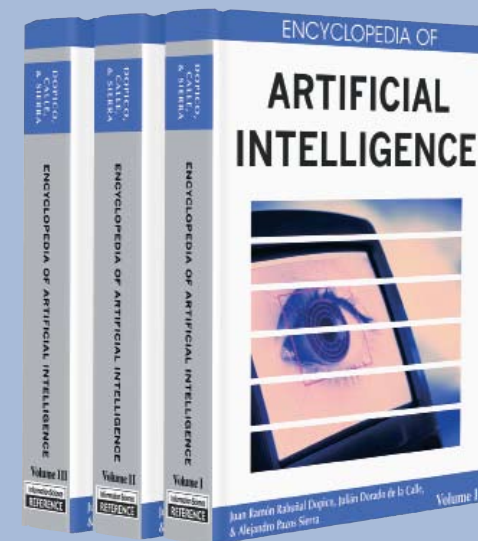
Juan Ramón Rabuñal Dopico, Julián Dorado de la Calle, and Alejandro Pazos Sierra, University of A Coruña, Spain

Numerous real-life problems so complex as to be virtually insoluble by means of traditional computer science techniques can now be approached effectively with artificial intelligence techniques. Recently, artificial intelligence technologies have evolved at a rapid pace, raising significant challenges to the effort to stay current.

The **Encyclopedia of Artificial Intelligence** is a comprehensive and in-depth reference to the most recent developments in the field covering theoretical developments, techniques, technologies, and applications of systems using intelligent characteristics for adaptability, automation learning, classification, prediction, and even artistic creation, among others. Authored by over 400 of the world's leading experts from more than 40 countries, this commanding reference of 237 articles is essential to any research library's technology holdings.

Key Features

- 237 authoritative contributions by over 400 of the world's leading experts in artificial intelligence from 40 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 10,000 references to existing literature and research on artificial intelligence
- A compendium of over 3,500 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to artificial intelligence
- FREE institution-wide access to the online version with the purchase of the print publication



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“This encyclopaedia provides the latest, fundamental and properly validated knowledge for anyone, not necessarily a specialist in artificial intelligence (AI), to qualify as such. Each chapter is written by a leading world specialist in the subject matter.”

—Juan Pazos Sierra, Polytechnical University of Madrid

Encyclopedia of Portal Technologies and Applications (2-Volume Set)

Topics Covered Include:

- Analyzing competition for a Web portal
- Benefits and limitations of portals
- Challenges and pitfalls in portal information management
- Comparing portals and Web pages
- Management issues in portlet development
- Enterprise portals and Web services integration
- Large-scale integrated academic portals
- Portals for knowledge management
- Mobile portal technologies and business models
- Evaluation of Web portals
- Factors affecting portal design
- Privacy preserving data portals
- Portal quality issues
- Web portal as a collaborative tool
- Role of ontologies in portal design
- Portal economics and business models
- SMEs and portals

Arthur Tatnall, Victoria University, Australia

Advances in information technology and communications have assisted organizations in utilizing portal technologies in support of effective and timely information for all purposes.

The **Encyclopedia of Portal Technologies and Applications** offers all-inclusive, in-depth coverage of the nature, characteristics, advantages, limitations, design, and evolution of Web portals. Other topics in this two-volume encyclopedia include semantic portals, philosophical portal issues, and personal portals. This authoritative reference publication provides coverage of all aspects of portal technologies and applications for organizations worldwide.

The **Encyclopedia of Portal Technologies and Applications** contains 198 articles from over 320 of the world's leading experts and covers technical and organizational characteristics of portal applications in a wide range of settings from business, educational, scientific, and government entities. It also includes over 1,400 key terms and definitions related to portal technologies and a list of more than 3,500 comprehensive references. Valuable to researchers in a variety of disciplines, this encyclopedia will add immense value to any reference collection.

Key Features

- 198 authoritative contributions by over 320 of the world's leading experts in portal technologies from 30 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 3,500 references to existing literature and research on portal technologies
- A compendium of over 1,400 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to portal technologies
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— *-CHOICE*, Vol. 45, No. 05 (2008)

Handbook of Research on Computer-Enhanced Language Acquisition and Learning

Topics Covered Include:

- Blogging and academic writing development
- Computer-based tutors
- Computer-enhanced grammar teaching
- Computer-mediated communication and intercultural learning
- Computer-mediated communication software for language acquisition
- Evaluation of learning designs
- Grammar animations and cognition
- ICT and language learning at secondary schools
- Language acquisition
- Language learning
- Listening comprehension program
- Multimedia technology
- Online resources for language learning
- Prewriting conferences
- Second language reading in hypertext environments
- Technology in support of self-access pedagogy
- The role of error correction in online exchanges
- Using an audio-video chat program in language learning

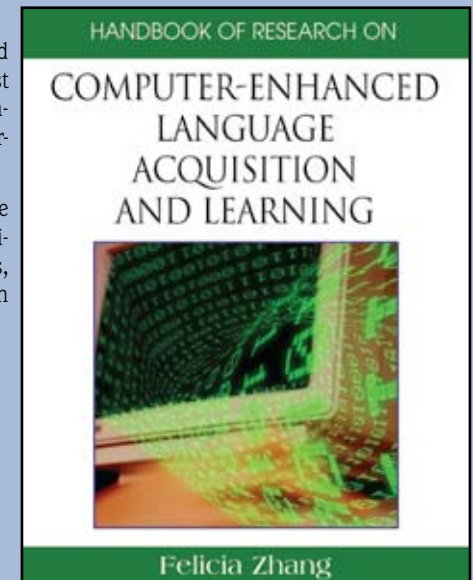
Felicia Zhang and Beth Barber, University of Canberra, Australia

Language learning is one of the most rapidly changing disciplines. Along with changing perspectives in learning in the field of Second Language Acquisition, information communication technology (ICT) has also created many learning paths to assist the process of learning a second language (L2). In such an ever-evolving environment, teachers, researchers, and professionals in a diverse number of disciplines need access to the most current information about research on the field of computer-enhanced language acquisition and learning.

The **Handbook of Research on Computer-Enhanced Language Acquisition and Learning** provides comprehensive coverage of successful translation of language learning designs utilizing ICT in practical learning contexts. With 30 authoritative contributions by over 50 of the world's leading experts this reference source offers researchers, scholars, students, and professionals worldwide, access to the latest knowledge related to research on computer-enhanced language acquisition and learning.

Key Features

- 30 authoritative contributions by over 50 of the world's leading experts in computer-enhanced language acquisition and learning from 17 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,000 references to existing literature and research on language learning
- A compendium of over 200 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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"The *Handbook of Research on Computer-Enhanced Language Acquisition and Learning* covers the full spectrum of research in this area at its best. Useful in the classroom, useful in research; a one-stop source of information on contemporary research in computer-enhanced language acquisition and learning around the globe. It is a volume I am proud to have on my bookshelves."

— Kirk Sullivan, Umea University, Sweden

Handbook of Research on Modern Systems Analysis and Design Technologies and Applications

Mahbubur Rahman Syed and Sharifun Nessa Syed, Minnesota State University, Mankato, USA

Due to unawareness of the development cycle of systems from its conceptualization to implementation, almost half of corporate IS projects are delayed or abandoned before completion. The introduction of system analysis and design concepts and their implementations have proven to significantly enhance the success rate of system delivery.

The **Handbook of Research on Modern Systems Analysis and Design Technologies and Applications** provides a compendium of more than 300 terms, definitions, and explanations of concepts in various areas of systems and design, as well as 35 cutting-edge research articles from 65 of the field's leading experts that, together, convey the current state of knowledge on systems analysis and design. Further, this incisive reference source fully contextualizes the best contemporary understanding of current and emerging tools by guiding readers through the evolution of systems analysis and design practices.

Key Features

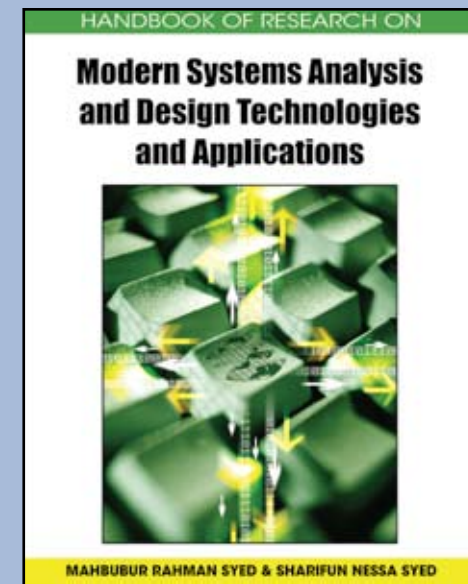
- 35 authoritative contributions by 65 of the world's leading experts in systems analysis and design from 13 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- 1,200 references to existing literature and research on systems analysis and design technologies
- A compendium of more than 300 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to systems analysis and design
- FREE institution-wide access to the online version with the purchase of the print publication

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- Topics Covered Include:**
- Cognitive Perspective on Human-Computer Interface Design
 - Decision Rule for Investment in Frameworks of Reuse
 - Design and Analysis of Decision Support Systems
 - Design of Multiagent, Context-aware, and Mobile Systems
 - Frameworks for Model-Based Design of Enterprise Information Systems
 - Information Systems Curriculum Design Processes
 - Location-Based Service (LBS) System Analysis and Design
 - Machine Learning for Designing an Automated Medical Diagnostic System
 - Meta-Modeling for Situational Analysis and Design Methods
 - Method Fragments for Agile Software Development
 - Modern Design Dimensions of Multiagent CSCW Systems
 - Redesigning a SAD Course to Promote Problem-Based Learning
 - Security Considerations in the Development Life Cycle
 - Support Vector Machines
 - The Use of Class Patterns and Templates in Software Design
 - Utility-Cost Tradeoffs in the Design of Data Resources

“The Handbook of Research on Modern Systems Analysis and Design Technologies and Applications presents topics in a very unique fashion. I believe it will be considered as an essential resource for students, educators, researchers, and practitioners in the field.”

— Salahuddin Zabir, Kyushu University, Japan

Handbook of Research on Open Source Software: Technological, Economic, and Social Perspectives

Kirk St.Amant and Brian Still, Texas Tech University, USA

Topics Covered Include:

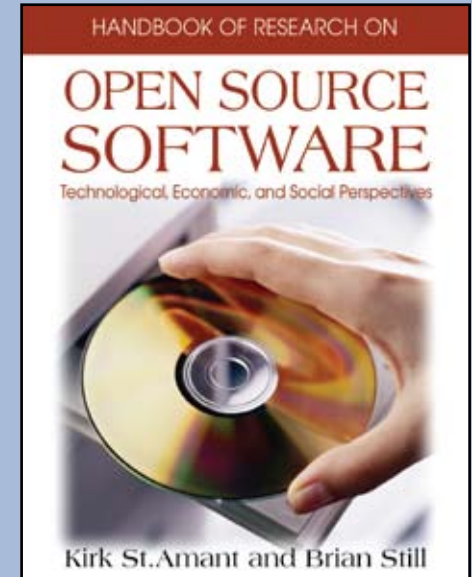
- Accounting and Enterprise Systems
- Business Models
- Communities of Practice
- Dependencies, Networks, and Priorities
- Evolution of Free Software
- GLW Infrastructure
- Governance
- Hacker Culture and the FLOSS Innovation
- Legal and Economic Justification for Software Protection
- Morality and Pragmatism
- Nonprofit Context
- Novell's Open Source Evolution
- Open Access Publishing
- Open Source E-learning Systems
- Open Source Software
- Open Source Software Evaluation
- Open Source Web Portals
- OSS Adoption in the Legal Services Community
- Patchwork Prototyping
- Prototyping
- Revenue Models
- Social and Economical Impacts
- Social Technologies and the Digital Commons
- Software Engineering Education

The **Handbook of Research on Open Source Software: Technological, Economic, and Social Perspectives** is the premier, comprehensive reference source compiling the latest research on the topic of open source software (OSS) technologies and their educational, economic, organizational, and societal implications. This authoritative publication examines how the use of open source software affects the overall utilization and legal ramifications of sharing software resources openly in societal, business, government, and educational settings. It provides a balance of theoretical perspectives, experiences, and cases in relation to these key areas.

This in-depth collection includes coverage of the culture from which OSS emerged and the development practices through which OSS is created and modified. The **Handbook of Research on Open Source Software: Technological, Economic, and Social Perspectives** is an international collaboration of more than 100 noted researchers. It also includes more than 350 key terms and their definitions, and over 1,500 comprehensive references related to coverage of this publication. This Handbook of Research is a must-have publication for every library.

Key Features

- 54 authoritative contributions by more than 100 of the world's leading experts in open source software from 19 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- Over 1,500 references to existing literature and research on open source software
- A compendium of more than 350 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to open source software
- FREE institution-wide access to the online version with the purchase of the print publication



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“Readers will gain a more comprehensive examination of how OSS affects practices and attitudes in a variety of public and private sector organizations and societies in general.”

—Kirk St.Amant, Texas Tech University, USA

Handbook of Research on User Interface Design and Evaluation for Mobile Technology (2-Volume Set)

Topics Covered Include:

- Adaptive and intelligent user interfaces
- Assistive mobile technologies
- Collaborative mobile applications
- Design for special needs groups
- Ethnography
- Human-computer interaction
- In-car user interfaces
- Interacting artifacts
- Mobile communication
- Mobile interaction techniques
- Mobile interactive multimedia systems
- Mobile learning applications
- Mobile technology supported classroom
- Mobile user interfaces
- Novel interaction paradigms
- Physical environment
- Privacy regulation model
- Social context
- Text entry
- Unobtrusive interaction
- Usability analysis for mobile devices
- User acceptance of mobile services
- User interface design
- User interface evaluation
- Visual interaction
- Wearable technologies

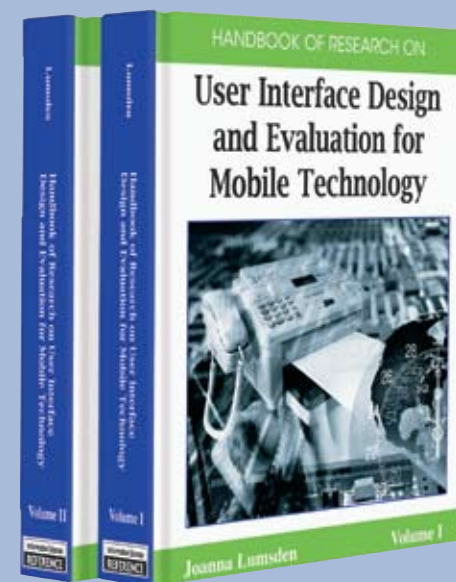
Joanna Lumsden, National Research Council of Canada

In recent years, mobile technology has been one of the major growth areas in computing. Designing the user interface for mobile applications, however, is a very complex undertaking which is made even more challenging by the rapid technological developments in mobile hardware. Mobile human-computer interaction, unlike desktop-based interaction, must be cognizant of a variety of complex contextual factors affecting both users and technology.

The **Handbook of Research on User Interface Design and Evaluation** provides students, researchers, educators, and practitioners with a compendium of research on the key issues surrounding the design and evaluation of mobile user interfaces, such as the physical environment and social context in which a mobile device is being used and the impact of multitasking behavior typically exhibited by mobile-device users. Compiling the expertise of over 150 leading experts from 26 countries, this exemplary reference tool will make an indispensable addition to every library collection.

Key Features

- 64 authoritative contributions by 159 of the world's leading experts in user interface design and evaluation for mobile technology from 26 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 2,200 references to existing literature and research on user interface design
- A compendium of over 500 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“The complementary combination of theoretical and practical content will enable readers to draw parallels with their own research or work, and apply and/or further the research efforts of others in their own projects.”

— Joanna Lumsden, National Research Council of Canada, Canada

Handbook of Research on Wireless Security (2-Volume Set)

Topics Covered Include:

- Authentication in mobile systems
- Countermeasures
- Data security
- Defenses in wireless networks
- Future of wireless security
- Global security implications
- Identity and privacy confidentiality
- Information integrity
- Information privacy
- Intellectual property
- Mobile ad hoc networks
- Mobile applications
- Mobile broadband access
- Mobile communication systems
- Monitoring systems
- Risk management
- Security and privacy requirements
- Security architectures
- Security in 2.5G mobile systems
- Security in mobile ad hoc networks
- Security in wireless sensor networks
- Security of mobile code
- System-on-chip design
- Tools, techniques, methods, and frameworks
- User management
- Wireless local area networks
- Wireless wardriving

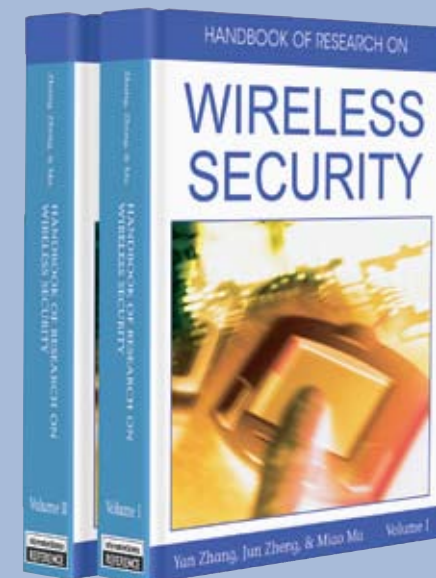
Yan Zhang, Simula Research Laboratory, Norway, Jun Zheng, City University of New York, USA, and Miao Ma, Hong Kong University of Science and Technology, Hong Kong

Security is one of the most significant components in wireless systems to ensure the integrity of communications among terminals, networks, and services. As the field of wireless communications expands and inundates personal and professional lives worldwide, up-to-date wireless security research and knowledge becomes increasingly more vital to society.

The **Handbook of Research on Wireless Security** combines research from over 100 esteemed experts from 23 countries on security issues in various wireless communications, recent advances in wireless security, the wireless security model, and future directions in wireless security. As an innovative and current reference source for students, educators, faculty members, researchers, engineers in the field of wireless security, this handbook will make an invaluable addition to any library collection.

Key Features

- 49 authoritative contributions by over 100 of the world's leading experts in wireless security from 23 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 1,400 references to existing literature and research on wireless security
- A compendium of over 400 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“This book can serve as an essential and useful reference for undergraduate and graduate students, educators, scientists, researchers, engineers and research strategists in the field of wireless security.”

—Yan Zhang, Simula Research Laboratory, Norway

Encyclopedia of Networked and Virtual Organizations (3-volume Set)

Topics Covered Include:

- Advanced design and management systems
- Agile organizational models
- Best practices of virtual organizations
- Business process improvement
- Dynamics of network reconfiguration
- E-collaborations in virtual organizations
- E-commerce
- Future trends of virtual and networked organizations
- Information technology management
- Information technology support for e-learning
- Knowledge management
- Knowledge transfer
- Networked and virtual organizations in education
- Networked and virtual organizations in healthcare
- Requirements for virtual enterprise integration
- Strategic e-collaboration
- Supply chain management in a virtual enterprise
- Virtual enterprise integration
- Virtual organization architecture
- Virtual organization foundations and processes

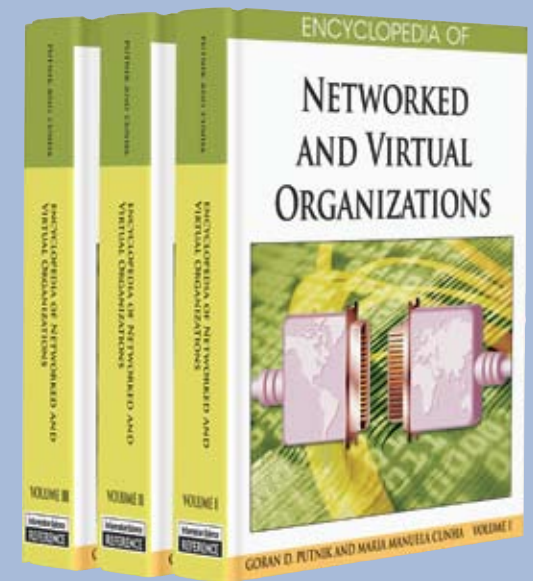
Goran D. Putnik, University of Minho, Portugal, and Maria Manuela Cunha, Polytechnic Institute of Cavado and Ave, Portugal

The virtual enterprise as a new organizational paradigm has three fundamental features: dynamics of network reconfiguration, virtuality, and external entities as environments for enabling or supporting the virtual enterprise integration as well as reconfiguration dynamics. The field of knowledge on this topic is highly fragmented due to the inexistence of a transfer of knowledge between regions, developers, and researchers.

The **Encyclopedia of Networked and Virtual Organizations** documents 249 of the most relevant contributions authored by over 400 of the world's leading experts to the introduction of networked, dynamic, agile, and virtual organizational models; definitions; taxonomies; opportunities; and reference models and architectures. These volumes pool the existing works, approaches, solutions, and needs of the virtual enterprise research community to create a repository of the main developments regarding the virtual organization, compiling definitions, characteristics, comparisons, advantages, practices, enabling technologies, and best practices.

Key Features

- 249 authoritative contributions by over 400 of the world's leading experts in networked and virtual organizations from 45 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the medical informatics field
- More than 5,500 references to existing literature and research on virtual organizations
- A compendium of 2,000 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
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“The encyclopedia widens horizons for researchers interested in this emerging field, presenting the state-of-the-art background and developments.”

— Goran D. Putnik, University of Minho, Portugal

Handbook of Research on Virtual Workplaces and the New Nature of Business Practices

Topics Covered Include:

- Collaborative information technologies
- Computer-mediated communication
- Distributed virtual organizations
- Education in the virtual workplace
- Effectiveness of collaborative technologies
- Employee privacy in virtual workplaces
- Foundations of the virtual workplace
- Future of virtual workplaces
- Global virtual teams
- Instant messaging in the workplace
- Intelligent knowledge exchange
- Mixed media opportunities
- Online training
- Organizational virtuality
- Plagiarism of online content
- Professional e-mail communication
- Role of virtual team leader
- Successful virtual communication
- Support of virtual workplaces
- Virtual classrooms
- Virtual employees with disabilities
- Virtual identity
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- Virtual office

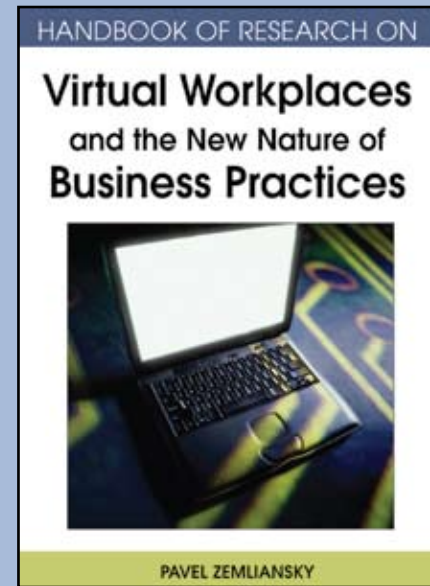
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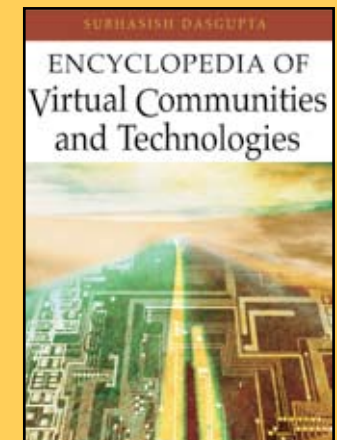
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Subhashish Dasgupta, George Washington University, USA

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- Internet gambling
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- Internet traffic modeling
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- Java Web application frameworks
- Malicious software
- Multimedia for mobile devices
- Network-based intrusion detection
- Optical network survivability
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- Social and P2P networks on the Internet

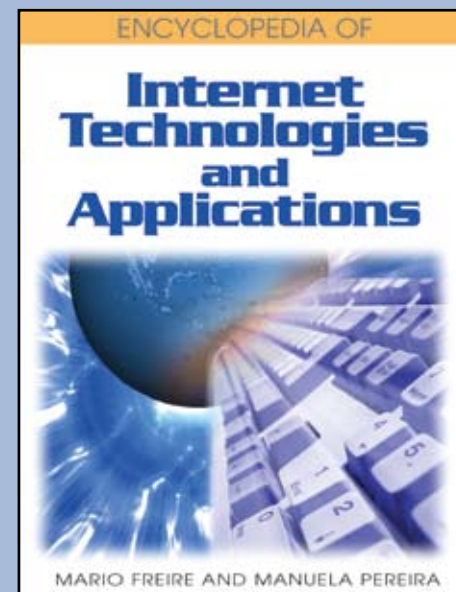
Mario Freire and Manuela Pereira, University of Beira Interior, Portugal

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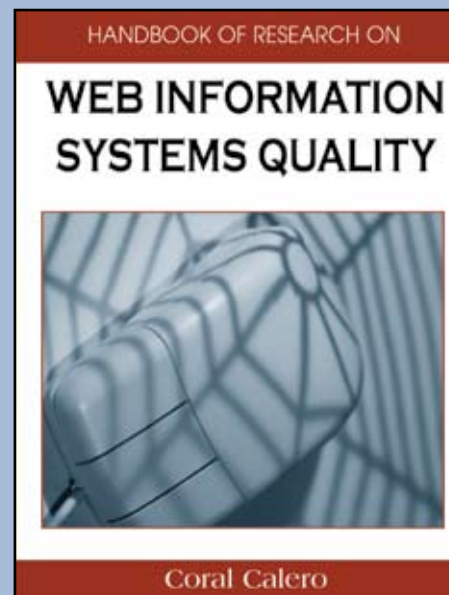
Coral Calero, M. Angeles Moraga, and Mario Piattini, University of Castilla-La Mancha, Spain

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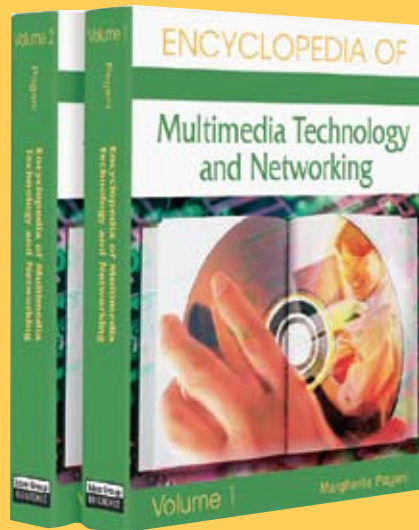
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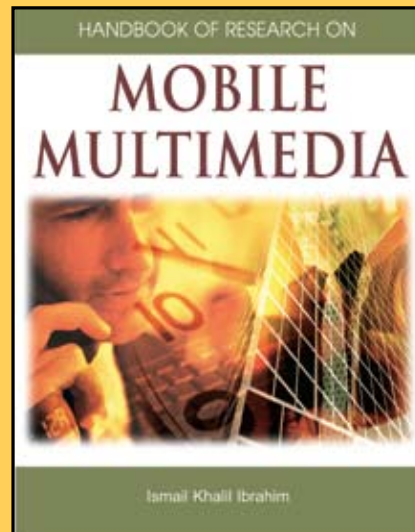
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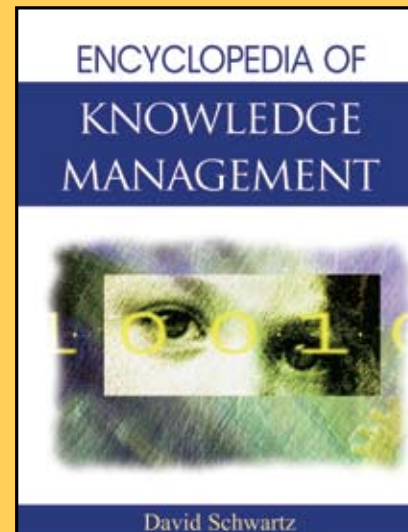
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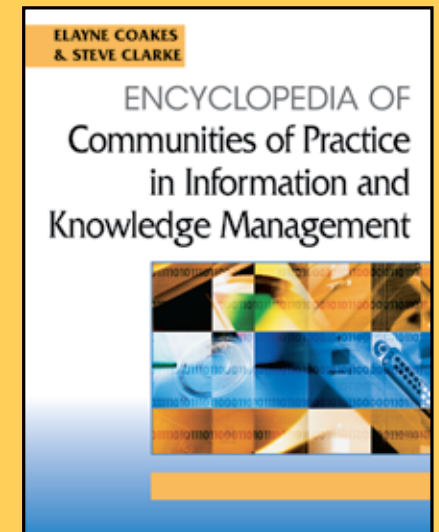
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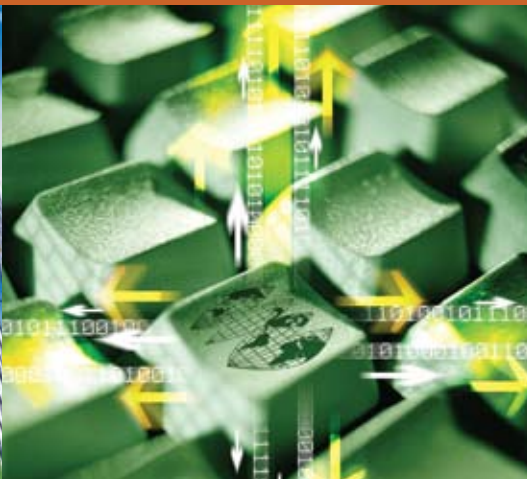
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