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We look forward to sharing with you the key features and functionality of this valuable premier reference database!

Jackie Zanghi-LaPlaca
Director of Library and Educational Relations

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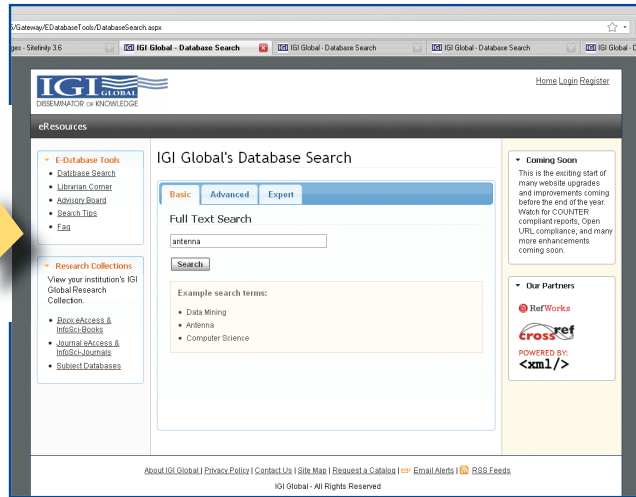
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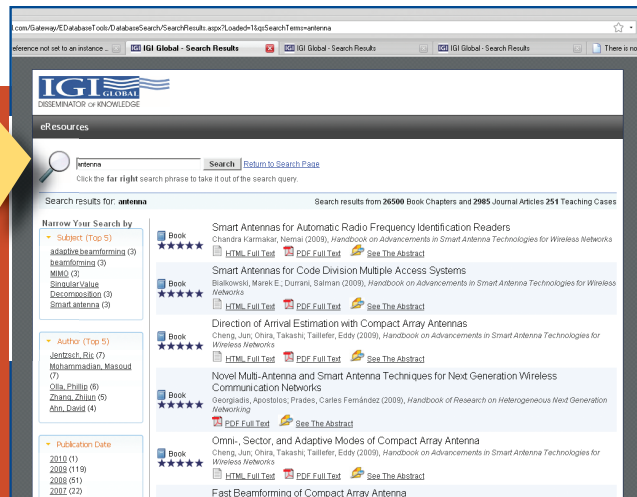
- Gita Gunatilleke, *Charleston Advisor*, July 2009



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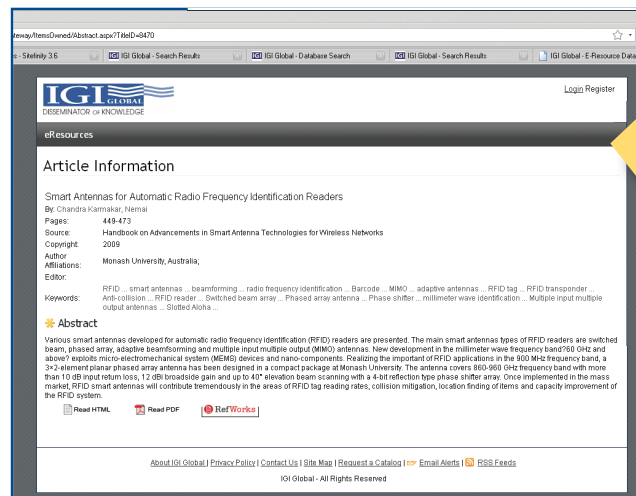


"Best Reference 2008"
— *Library Journal*,
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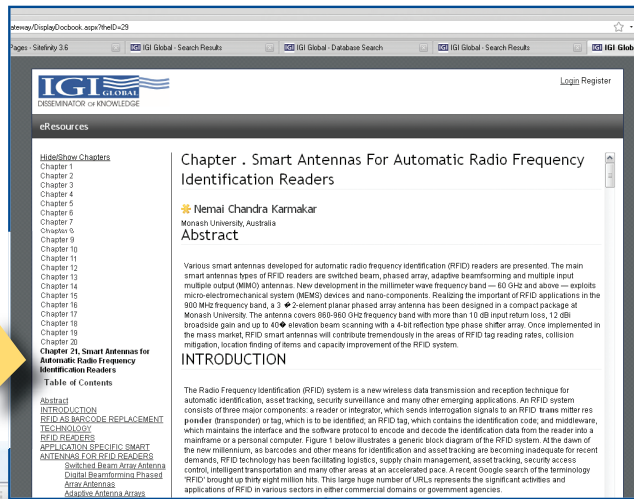
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Chapter XXI Smart Antennas for Automatic Radio Frequency Identification Readers

Nemal Chandra Karmakar
Monash University, Australia

ABSTRACT

Various smart antennas developed for automatic radio frequency identification (RFID) readers are presented. The main smart antennas types of RFID readers are switched beam, phased array, adaptive beamforming and multiple input multiple output (MIMO) antennas. New development in the millimeter wave frequency band—60 GHz and above—exploits micro-electromechanical system (MEMS) devices and nano-components. Realizing the importance of RFID applications in the 900 MHz frequency band, a 3 × 2 element planar phased array antenna has been designed in a compact package at Monash University. The antenna covers 860-860 GHz frequency band with more than 10 dB input return loss, 12 dB broadside gain and up to 40° elevation beam scanning with a 4-bit reflector type phase shifter array. Once implemented in the mass market, RFID smart antennas will contribute tremendously in the areas of RFID tag reading rates, collision mitigation, location finding of items and capacity improvement of the RFID system.

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— Library Journal

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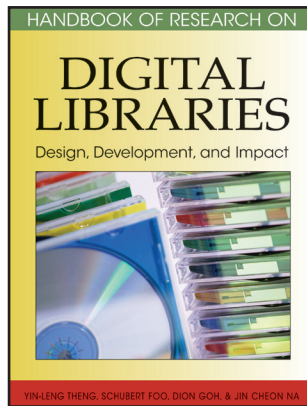
Lisa Stimatz, MLS,
University of North Carolina at Chapel Hill, USA

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Handbook of Research on Digital Libraries: Design, Development, and Impact

Yin-Leng Theng, Schubert Foo, Dion Goh, and Jin Cheon Na Nanyang Technological University, Singapore



As digital libraries expand in their proliferation, and as researchers, students, and consumers increasingly depend on them for their information needs, developers are keen to learn more about the design, use, and usability of these systems. This Handbook of Research is the single academic reference work to provide comprehensive coverage of digital libraries. Through predictions of future trends, examinations of techniques and technologies, and focuses on users, interac-

tions, and experiences, this in-depth collection provides developers and scholars with an extensive collection of research articles from the expanding field of digital libraries.

Topics Covered:

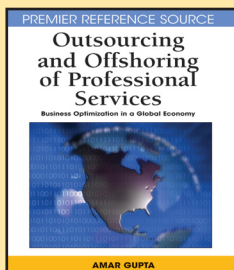
- Automatic text summarization
- Digital libraries and ontology
- Digital library requirements
- Digital library service system
- Digital preservation
- Metadata interoperability
- Multimedia digital libraries usability
- Music information retrieval
- Personal digital libraries

"This handbook aims to provide comprehensive coverage...relating to digital library technology and applications."

- Yin-Leng Theng, Nanyang Technological University, Singapore

Outsourcing and Offshoring of Professional Services: Business Optimization in a Global Economy

Amar Gupta, University of Arizona, USA



A growing number of companies are opting to perform types of professional services in foreign countries, creating unprecedented opportunities to reduce costs and nucleate strategic relationships. This book discusses the considerations and implications surrounding the outsourcing and offshoring of professional services, such as software development computer-aided design, and healthcare, from multiple global perspectives.

Topics Covered:

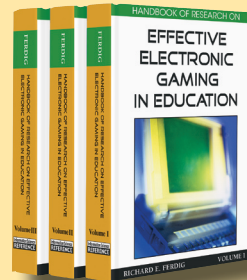
- 24-hour knowledge factories
- Cost/benefit analysis
- Global economy
- Globally distributed teams
- Offshoring professional services
- Optimization techniques
- Supply chain relationships
- Tactical vs. strategic partnerships

"Overall, this is, without a doubt, a top scholarly contribution to the domain of outsourcing and offshoring..."

- Dr. Erran Carmel, American University and University of Maryland University College, USA

Handbook of Research on Effective Electronic Gaming in Education (3 Volumes)

Richard E. Ferdig, Research Center for Educational Tech - Kent State Univ., USA



"Researchers will be intrigued and enlightened by the international and interdisciplinary nature of the collection."

- Richard E. Ferdig, University of Florida, USA

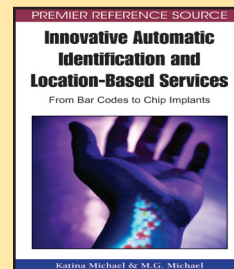
Within the last 35 years, due to numerous technology innovations, electronic games in many formats have not only become ubiquitous in everyday recreational life but have also permeated many professional fields and disciplines for multiple purposes including teaching and learning. This Handbook of Research presents a framework for understanding games for educational purposes while providing a broader sense of current related research.

Topics Covered:

- Conceptual play spaces
- Design patterns and computer graphics
- Education for engaged learning
- Educational gaming
- Game-based historical learning
- Productive gaming
- Transmedial comprehension
- Virtual world

Innovative Automatic Identification and Location-Based Services: From Bar Codes to Chip Implants

Katrina Michael & M.G. Michael, University of Wollongong, Australia



"This book details the social implications of technology, and how new emerging innovations are completely changing the rules of engagement."

- Katrina Michael, University of Wollongong, Australia

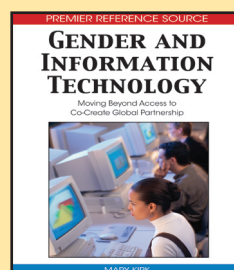
This publication emphasizes the convergence and trajectory of automatic identification and location-based services toward chip implants and real-time positioning capabilities. Recording the history of automatic identification, this book also discusses the social, cultural, and ethical implications of the technological possibilities with respect to national security initiatives.

Topics Covered:

- Biomedical
- Biometric identification
- Geographic information systems
- Integrated circuit
- Location-based services
- Magnetic-strip
- Radio-frequency identification
- Wearable computing

Gender and Information Technology: Moving Beyond Access to Co-Crete Global Partnership

Mary Kirk, Metropolitan State University, USA



"Everyone should read Mary Kirk's background on feminism, stereotypes, the digital divide, and the dominator social institutions."

- Dr. Carol Zander, University of Washington, USA

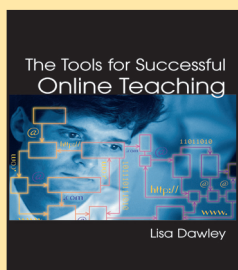
Using gender as a starting point, this publication offers an interdisciplinary, social systems perspective on how shifting from a dominator social system towards a partnership system--as reflected in four primary social institutions (communication, media, education, and business)--might help us move beyond the simplistic notion of access to information technology towards partnership in co-creating a real digital revolution worldwide.

Topics Covered:

- Business as social institution
- Education as social institution
- Gendered philosophy of science
- Language as social institution
- Mass media as social institution
- Partnership language and media
- Partnership social institutions
- Tools of domination

The Tools for Successful Online Teaching

Lisa Dawley, Information Science Publishing



Online education continues to grow exponentially, and the majority of universities now offer online courses. This book introduces teachers to the tools of the learning management system (LMS), or the online learning environment. Multiple examples of objectives and activities are provided to instill a deep understanding, and the reader will gain a long-term ability to create a unique curriculum.

Topics Covered:

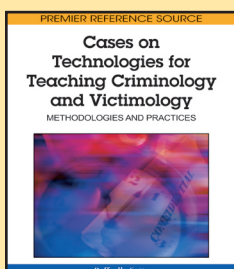
- Assessment & survey tools
- Audio/video conferencing & whiteboards
- Blogs & wikis
- Chat & instant messaging
- Learning management systems
- Discussion forums
- Learning to use multiple tools
- Online teaching today & tomorrow
- Small group learning

"Overall this book succeeds in being an impressive and useful guide for those who wish to be involved in online teaching..."

-British Journal of Education Technology

Cases on Technologies for Teaching Criminology and Victimology: Methodologies and Practices

Raffaella Sette, University of Bologna, Italy



As the explanation of crime and the social reaction to it depends on historical and cultural contexts, didactic methodologies are subject to continuous change in relation to theories and needs strictly linked to the profession. This case collection presents state-of-the-art research and teaching into the study of corruption and those affected by it, analyzing the benefits and disadvantages of various teaching methodologies in universities, police academies, and crime victim services.

Topics Covered:

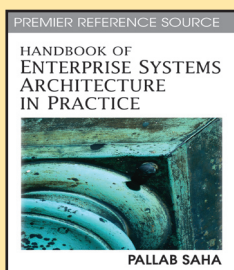
- Applied criminology and forensic psychiatry
- Case studies in adolescent safety
- Cybercrime
- How to manage child abuse cases
- Pe.N.T.A.C.R.I.M.E.
- Trafficking and sexual exploitation
- Teaching criminology

"The book develops through case studies that can observe real teaching, training and research situations."

-Raffaella Sette, University of Bologna, Italy

Handbook of Enterprise Systems Architecture in Practice

Pallab Saha, National University of Singapore, Singapore



Enterprise architecture (EA) is the organizing logic for a firm's core business processes and IT capabilities captured in a set of policies and technical choices. This Handbook provides a reference overview of practical aspects of enterprise architecture, including a complete analysis of EA theory, concepts, strategies, implementation challenges, and case studies.

Topics Covered:

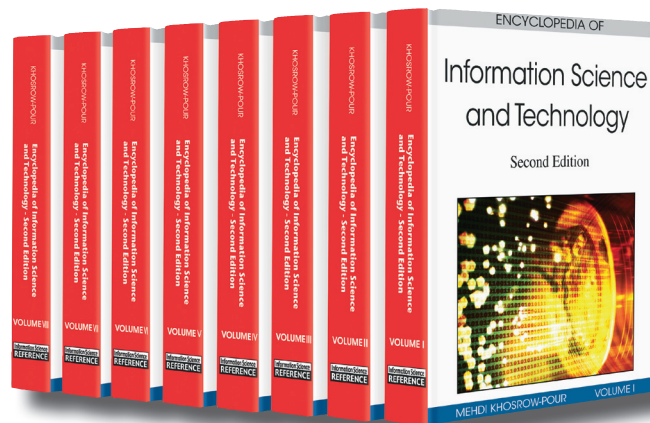
- Agile and interoperable virtual enterprises
- Business process modeling
- E-governance
- ERP systems
- Integrated enterprise lifecycle
- Investment management
- IT systems implementation
- Web services

"This book covers a wide range of Enterprise Architecture (EA) issues in a way that reflects many aspects of a global EA discussion that has been going on for nearly twenty years..."

-Dr. Scott Bernard, Carnegie Mellon University

Encyclopedia of Information Science and Technology, Second Edition (8 Volumes)

Mehdi Khosrow-Pour, IRMA, USA



An essential addition to any academic library's reference collection with 752 contributions thoroughly describing and highlighting the state of technology and its organizational, managerial, behavioral, and social implications. The Encyclopedia is a one-stop collection of all concepts, models and applications of Information Science and Technology, offering researchers, students and libraries with a bank of reliable and authoritative research results to utilize for literature reviews, assessing future trends and building upon Information Science and Technology discipline. This reference work uncovers the most current research findings related to technological, organization, and managerial issues, challenges, trends, and applications of information technologies in modern organizations.

Topics Covered:

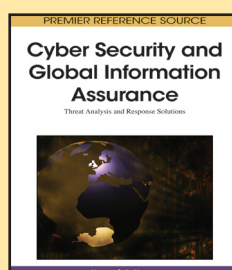
- Business/IT alignment
- Data mining & data warehousing
- Decision support systems
- Distance learning technologies
- ERP & implementation
- Geographic information systems
- Mobile technologies
- Object oriented technologies
- Software engineering
- Strategic information technology

"This collection belongs in every academic library because of the scope, range and reference utility."

- E.Streams

Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions

Kenneth J. Knapp, U.S. Air Force Academy, USA



This publication provides a valuable resource for academicians and practitioners by addressing the most pressing issues facing cyber-security from both a national and global perspective, taking a holistic approach to cyber security and information assurance by treating both the technical as well as managerial sides of the field.

Topics Covered:

- Cyber security threat problem
- Global information assurance
- Human factors in security
- Information sharing
- Managing identity fraud
- Onset of information terrorism
- Public policy drivers
- Security implications for management
- Threat identification

"Ultimately, this book will facilitate international cooperation to help build a more secure future in cyberspace."

- Kenneth J. Knapp, U.S. Air Force Academy, USA

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Web Technologies: Concepts, Methodologies, Tools, and Applications (4 Volumes)

Arthur Tatnall, Victoria University, Australia



With the technological advancement of mobile devices, social networking, and electronic services, Web technologies continues to play an ever-growing part of the global way of life, incorporated into cultural, economical, and organizational levels.

Web Technologies: Concepts, Methodologies, Tools, and Applications

provides a comprehensive depiction of current and future trends in support of the evolution of Web information systems, Web applications, and the Internet. Through coverage of the latest models, concepts, and architectures, this multiple-volume reference supplies audiences with an authoritative source of information and direction for the further development of the Internet and Web-based phenomena.

Topics Covered:

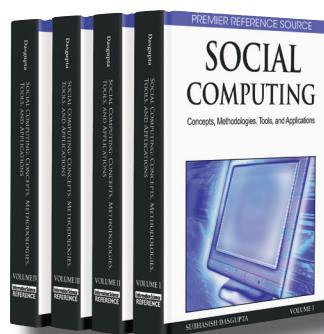
- Dependability of Web services
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- Intelligent applications of the Internet
- Interactive online environments
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- Multimedia interfaces
- Online information sharing
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- Semantic Web
- User-centric technologies
- Web accessibility
- Web application adaptation
- Web intelligence
- Web ontologies
- Web technologies in support of commerce

"The growth in use of the World Wide Web over the last few years has been nothing short of phenomenal. This growth offers a huge challenge to researchers, both to keep up with what is going on, and to contribute to research on this phenomenon. In this regard, Web Technologies: Concepts, Methodologies, Tools, and Applications is an essential reference."

- Arthur Tatnall, Victoria University, Australia

Social Computing: Concepts, Methodologies, Tools, and Applications (4 Volumes)

Subhasish Dasgupta, George Washington University, USA



With an increasing accessibility to social networking tools, the development of Web 2.0, and the emergence of virtual worlds, social computing crosses cultural boundaries to join people in the digital landscape.

Social Computing: Concepts, Methodologies, Tools, and Applications

uncovers the growing and expanding phenomenon of human behavior, social constructs, and communication in online environments. This multiple volume publication presents the latest research on social change, evolving networks, media, and interaction with technology to offer audiences a comprehensive view of the impact of social computing on the way cultures think, act, and exchange information.

Topics Covered:

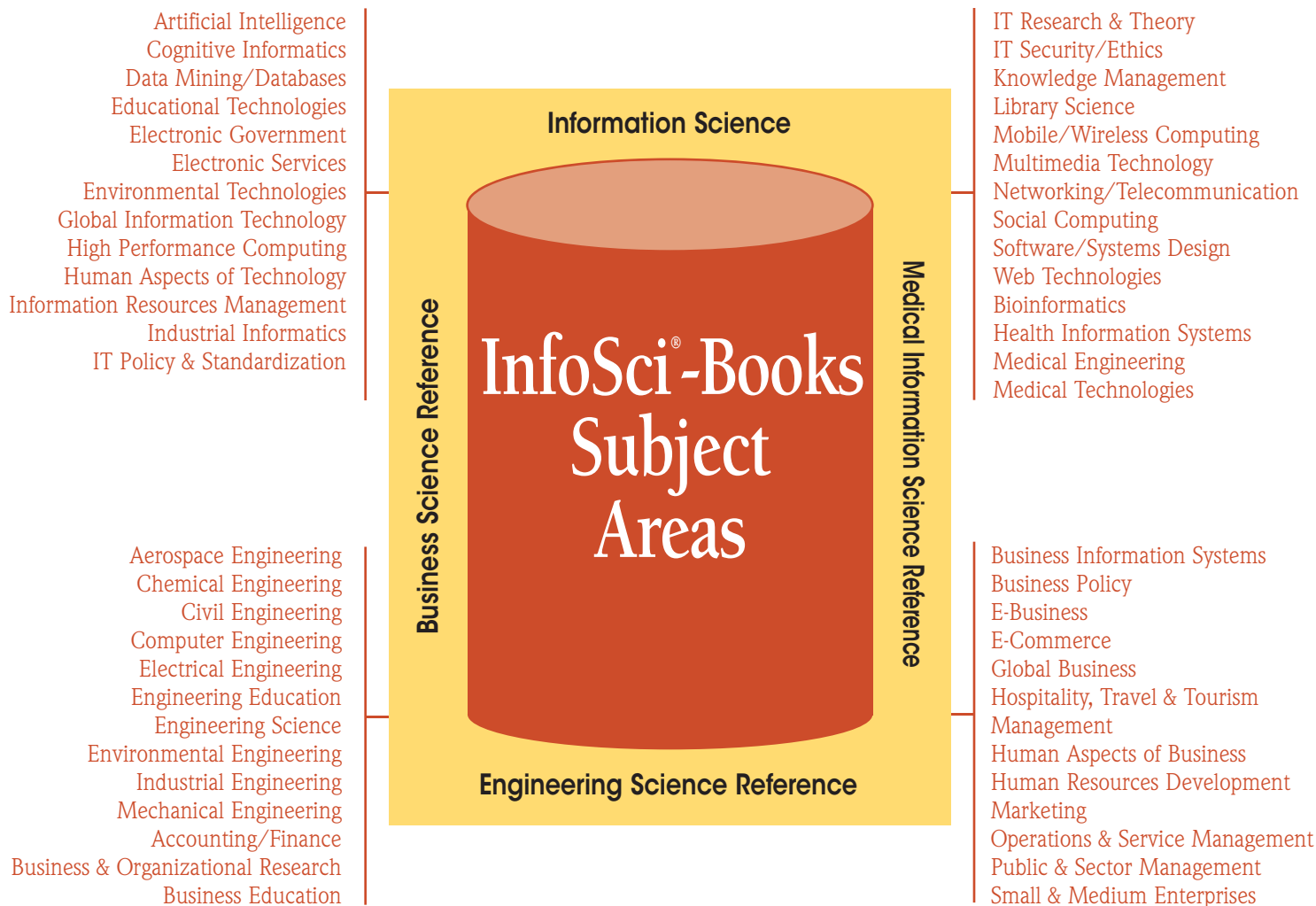
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