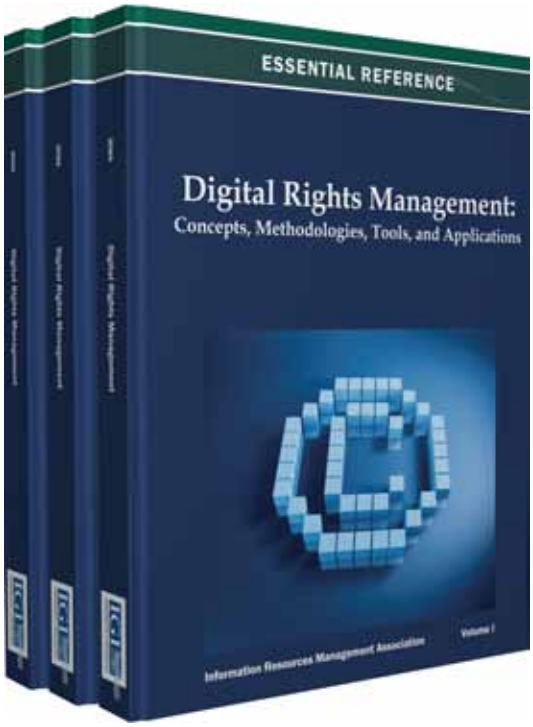
An Excellent Addition to Your Library!

Released: October 2012

Digital Rights Management: Concepts, Methodologies, Tools, and Applications



ISBN: 9781466621367; © 2013; 1740 pp.
Print: US $1,950.00 | Perpetual: US $2,925.00 | Print + Perpetual: US $3,900.00

Pre-pub Discount:*
Print: US $1,850.00 | Perpetual: US $2,780.00
* Pre-pub price is good through one month after publication date.

Information Resources Management Association (IRMA)

With the continuing growth of the digital media, digital rights management is essential to control the unauthorized distribution or use of digital files typically used by hardware manufacturers, publishers, and copyright holders.

Digital Rights Management: Concepts, Methodologies, Tools, and Applications is a comprehensive volume of recent case studies, theories, research on digital rights management and its place in the world today. Its widespread research fields and areas of expertise serve as a reference source for practitioners and academics alike.

Topics Covered:

- Copyright
- Digital Content
- Digital Rights Management
- Electronic Media
- Information Ethics
- Interdisciplinary Technologies
- Library Science
- Knowledge Management

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Information Resources Management Association (IRMA) is a research-based professional organization dedicated to advancing the concepts and practices of information resources management in modern organizations. IRMA's primary purpose is to promote the understanding, development and practice of managing information resources as key enterprise assets among IRM/IT professionals. IRMA brings together researchers, practitioners, academicians, and policy makers in information technology management from over 50 countries.

IGI GLOBAL
DISSEMINATOR OF KNOWLEDGE
www.igi-global.com

Publishing Academic Excellence
at the Pace of Technology Since 1988

Section 1: Fundamental Concepts and Theories

Chapter 1
Legal Protection of the Web Page
Mula Davide (European University of Rome, Italy)
Lobina Mirko Luca (University of Cagliari, Italy)

Chapter 2
Intellectual Property Systems in Software
Rejas-Muslera Ricardo (University of Alcalá, Spain)
Davara Elena (Davara & Davara Law, Spain)
Abran Alain (University du Quebec, Canada)
Buglione Luigi (University du Quebec, Canada)

Chapter 3
Legal Ontologies in ICT and Law
Abramowicz Witold (Poznan University of Economics, Poland)
Stolarski Piotr (Poznan University of Economics, Poland)
Tomaszewski Tadeusz (Poznan University of Economics, Poland)

Chapter 4
Security in Service Oriented Architectures:
Kayem Anne V.D.M. (German Research Center for Artificial Intelligence (DFKI GmbH), Germany)

Chapter 5
Digital Preservation Challenges, Infrastructures and Evaluations
Giaretta David (Science and Technology Facilities Council, UK)

Chapter 6
DRM Protection Technologies
Hackbarth Gary (Northern Kentucky University, USA)

Chapter 7
Copyright and Digital Libraries:
Geiger Christophe (University of Strasbourg, France2)

Chapter 8
Law, Architecture, Gameplay, and Marketing1
Wasilko Peter J. (The Institute for End User Computing, Inc., USA)

Section 2: Development and Design Methodologies

Chapter 9
EduPMO:
Amorim Joni A. (Universidade Estadual de Campinas, Brazil)
Miskulin Rosana G. S. (Universidade Estadual Paulista "Júlio de Mesquita Filho", Brazil)
Miskulin Mauro S. (Universidade Estadual de Campinas, Brazil)

Chapter 10
Hardware Implementations of Image/Video Watermarking Algorithms
Idris Fayez M. (German-Jordanian University, Jordan)

Chapter 11
Management, Monitoring and QoS in Multi-cell Centralized WLANs
Cacace Filippo (Università Campus Bio-Medico di Roma, Italy)
Iannello Giulio (Università Campus Bio-Medico di Roma, Italy)
Vollero Luca (Università Campus Bio-Medico di Roma, Italy)

Chapter 12
Ontology-Based Authorization Model for XML Data in Distributed Systems
Jain Amit (University of South Carolina, USA)
Farkas Csilla (University of South Carolina, USA)

Chapter 13
Geometric Distortions-Invariant Digital Watermarking Using Scale-Invariant Feature Transform and Discrete Orthogonal Image Moments
Ahmad Shiraz (Pakistan Atomic Energy Commission, Pakistan)
Lu Zhe-Ming (Zhejiang University, P. R. China)

Chapter 14
Copyright and Ethical Issues in Emerging Models for the Digital Media Reporting of Sports News in Australia
Wyburn Mary (University of Sydney, Australia)

Chapter 15
An Access Control Framework for WS-BPEL Processes
Paci Federica (Università degli Studi di Trento, Italy)
Bertino Elisa (CS Department and ECE School, CERIAS, Purdue University, USA)
Crampton Jason (Royal Halloway, University of London, UK)

Chapter 16
Unravelling Intellectual Property in a Specialist Social Networking Site
Humphreys Sal (University of Adelaide, Australia)

Chapter 17
Medium Access Protocols for Cooperative Collision Avoidance in Vehicular Ad-Hoc Networks
Hassan Md. Imrul (Swinburne University of Technology, Australia)
Vu Hai L. (Swinburne University of Technology, Australia)
Sakurai Taka (University of Melbourne, Australia)

Chapter 18
A Unified Approach towards Multimedia Watermarking
Al-Haj Ali (Princess Sumaya University for Technology, Jordan)
Mohammad Ahmad (Princess Sumaya University for Technology, Jordan)
Abou El-Seoud Samir (Princess Sumaya University for Technology, Jordan)
Manasrah Tuqa (The University of Jordan, Jordan)
Rajab Lama (The University of Jordan, Jordan)
Al-Khatib Tahani (The University of Jordan, Jordan)

Chapter 19
Data Hiding Schemes Based on Singular Value Decomposition
Pomponiu Victor (University of Torino, Italy)
Cavagnino Davide (University of Torino, Italy)
Basso Alessandro (University of Torino, Italy)
Vernone Annamaria (University of Torino, Italy)

Section 3: Tools and Technologies

Chapter 20
Advancement on Damage-Less Watermark Extraction Using Non-Linear Feature Extraction Scheme Trained on Frequency Domain
Naoe Kensuke (Keio University, Japan)
Takefuji Yoshiyasu (Keio University, Japan)

Chapter 21
Improving the Information Security of Collaborative Web Portals via Fine-Grained Role-Based Access Control
Demurjian S. (University of Connecticut, USA)
Ren H. (University of Connecticut, USA)
Berhe S. (University of Connecticut, USA)
Devineni M. (Serebrum Cooperation, USA)
Vegad Sushil (Serebrum Cooperation, USA)
Polineni K. (Serebrum Cooperation, USA)

Chapter 22
Exploiting P2P in New Media Distribution
Mansukhani Marcus (Nanyang Technological University, Singapore)
Ye He (Nanyang Technological University, Singapore)
Zhaoran Ma (Nanyang Technological University, Singapore)

Chapter 23
Massively Threaded Digital Forensics Tools
Marziale Lodovico (University of New Orleans, USA)
Movva Santhi (Wayne State University, USA)
Richard Golden G. (University of New Orleans, USA)
Roussev Vassil (University of New Orleans, USA)
Schwiebert Loren (Wayne State University, USA)

Chapter 24
Codec Adaptation for Wireless Multimedia Streaming
Yeh Ping-Cheng (National Taiwan University, Taiwan)
Hsieh Hung-Yun (National Taiwan University, Taiwan)
Wu Zhung-Han (National Taiwan University, Taiwan)
Lee Yen-Chi (National Taiwan University, Taiwan)
Chiang Chun-Cheng (National Taiwan University, Taiwan)
Ou Antonio (National Taiwan University, Taiwan)

Chapter 25
Fednets:
Ibrohimovna Malohat (Delft University of Technology, The Netherlands)
Heemstra de Groot Sonia (Twente Institute of Wireless and Mobile Communications, The Netherlands & Delft University of Technology, The Netherlands)

Chapter 26
Spread Spectrum Watermarking:
Maity Santi P. (Bengal Engineering and Science University, India)

Chapter 27
Delay Constrained Admission Control and Scheduling Policy for IEEE 802.11e HCCA Method
Deng Der-Jiunn (National Changhua University of Education, Taiwan)
Huang Yueh-Ming (Department of Engineering Science, National Cheng Kung University, Taiwan)
Chen Hsiao-Hwa (Department of Engineering Science, National Cheng Kung University, Taiwan)

Chapter 28
Deterring Text Document Piracy with Text Watermarking
Mishra Rakesh Kumar (Feroze Gandhi Institute of Engineering and Technology, India)

Chapter 29
QoS and Energy Saving Routing and MAC Mechanisms for Wireless Networks
Gkamas Vasileios (University of Patras, Greece)
Kokkinos Panagiotis (University of Patras, Greece)
Varvarigos Emmanouel (University of Patras, Greece)

Chapter 30
Two Spatial Watermarking Techniques for Digital Images
Burdescu Dumitru Dan (University of Craiova, Romania)
Stănescu Liana (University of Craiova, Romania)
Mihăescu Marian Cristian (University of Craiova, Romania)

Section 4: Utilization and Application

Chapter 31
Research on Open Innovation in China:
Naixiao Zhu (Jinan University, China)
Chunhua Huang (Jinan University, China)

Chapter 32
Internet-Based Protest in European Policymaking:
Breindl Yana (Université Libre de Bruxelles, Belgium)

Chapter 33
The Hellenic Framework for Computer Program Copyright Protection Following the Implementation of the Relative European Union Directives
Alexandropoulou-Egyptiadou Eugenia (University of Macedonia, Greece)

Chapter 34
Practical Experiences and Design Considerations on Medium Access Control Protocols for Wireless Sensor Networks
Ansari Junaid (RWTH Aachen University, Germany)
Zhang Xi (RWTH Aachen University, Germany)
Mähönen Petri (RWTH Aachen University, Germany)

Chapter 35
Computer Games and Intellectual Property Law:
Pina Pedro (ESTGOH - Polytechnic Institute of Coimbra, Portugal)

Chapter 36
Considering the Role of E-Government in Cybercrime Awareness and Prevention:
Miller J. Mitchell (University of Texas at San Antonio, USA)
Higgins George E. (University of Louisville, USA)
Lopez Kristina M. (University of Texas at San Antonio, USA)

Chapter 37
Assessing Empirical Relations of Music Piracy Behaviors with Lifestyle and Internet Self-Efficacy of Taiwan's Web Users
Hsu Ti (Chinese Culture University, Taiwan)
Wong Weng (Chinese Culture University, Taiwan)
Wang Chien-Chih (Chinese Culture University, Taiwan)
Li Yeen Ni (Chinese Culture University, Taiwan)
Li Pu Chuan (Chinese Culture University, Taiwan)
Tsai Min Chi (Chinese Culture University, Taiwan)
Tsai Yu Kai (Chinese Culture University, Taiwan)
Su Sheng Hong (Chinese Culture University, Taiwan)

Chapter 38
Facilitating Access to Indian Cultural Heritage:
Gaur Ramesh C (Indira Gandhi National Centre for the Arts, India)

Chapter 39
Indonesian Legal Perspectives on Biotechnology and Intellectual Property Rights
Litaay Theofransus (Satya Wacana Christian University, Indonesia)
Prananingrum Dyah Hapsari (Satya Wacana Christian University, Indonesia)
Krisanto Yakub Adi (Satya Wacana Christian University, Indonesia)

Chapter 40
Biopharma Drugs Innovation in India and Foreign Investment and Technology Transfer in the Changed Patent Regime
Rashmi Rakhi (University of Nice, France)

Chapter 41
The Project of the Ancient Spanish Cartography E-Library:
Chías P. (University of Alcalá, Spain)
Abad T. (University of Alcalá, Spain)
Rivera E. (University of Alcalá, Spain)

Chapter 42
Application of Error Control Coding for Multimedia Watermarking Technologies
Raval Mehul S. (DA-IICT, India)

Section 5: Organizational and Social Implications

Chapter 43
Trustworthiness of Pervasive Healthcare Folders
Allard Tristan (University of Versailles, France)
Anciaux Nicolas (INRIA Rocquencourt, France)
Bouganim Luc (INRIA Rocquencourt, France)
Pucheral Philippe (University of Versailles, France)
Thion Romuald (INRIA Grenoble, France)

Chapter 44
Fair Use, Copyright, and Academic Integrity in an Online Academic Environment
Holloway Kristine (California State University, USA)

Chapter 45
ELATEwiki:
Hai-Jew Shalin (Kansas State University, USA)
McHaney Roger W. (Kansas State University, USA)

Chapter 46
College Students, Piracy, and Ethics:
Reiss Jeffrey (University of Central Florida, USA)
Cintrón Rosa (University of Central Florida, USA)

Chapter 47
An Evaluation of User Password Practice
Campbell John (University of Canberra, Australia)
Bryant Kay (University of Canberra, Australia)

Chapter 48
Digital Rights Management in Peer To Peer Cultural Networks
Tsolis Dimitrios (University of Ioannina, Greece)
Sioutas Spyros (Ionian University, Greece)

Chapter 49
Library Photocopy Policies
Akporhonor Blessings Amina (Delta State University, Nigeria)

Chapter 50
Open Content in Libraries:
Kapellakou Galateia (Bar Office of Athens, Greece)
Markellou Marina (Bar Office of Corinth, Greece)
Vagena Evangelia (Hellenic Copyright Organization, Greece)

Chapter 51
Opening the Content Pipeline for OpenSim-Based Virtual Worlds
Winkler Shenlei E. (Fashion Research Institute, Inc, USA)

Chapter 52
Intellectual Property Issues for Digital Libraries at the Intersection of Law, Technology, and the Public Interest
Kallinikou Dionysia (National & Kapodistrian University of Athens, Greece)
Papadopoulos Marinos (Athens Bar Association, Greece & Legal Lead Creative Commons, Greece)
Kaponi Alexandra (Athens Bar Association, Greece)
Strakantouna Vassiliki (National & Kapodistrian University of Athens, Greece)

Section 6: Managerial Impact

Chapter 53
The Management System of Enterprises' Intellectual Property Rights:
Xiaohui Tao (Jinan University, China)
Yaohui Zhang (Jinan University, China)
Yi Zhou (NineStar Technology Co., Ltd., China)

Chapter 54
Trust Calculation and Management in P2P and Grid Systems
Konstantinos Karaoglanoglou (Aristotle University of Thessaloniki, Greece)
Karatza Helen (Aristotle University of Thessaloniki, Greece)

Chapter 55
Analyzing Software Piracy from Supply and Demand Factors:
Charoensukmongkol Peerayuth (Texas A&M International University, USA)
Daniel Jose Luis (Texas A&M International University, USA)
Sexton Shaun (Texas A&M International University, USA)
Kock Ned (Texas A&M International University, USA)

Chapter 56
Policing of Movie and Music Piracy:
Nhan Johnny (Texas Christian University, USA)
Garbagnati Alesandra (University of California Hastings College of Law, USA)

Chapter 57
Collaborative Production, the Knowledge Commons and the Application of Open Content Licenses
Pang Natalie (Nanyang Technological University, Singapore)

Chapter 58
The Protection of Digital Libraries as Databases:
Synodinou Tatiani-Eleni (University of Cyprus, Cyprus)

Chapter 59
Intellectual Property and Licensing Strategies in Open Collaborative Innovation
Bogers Marcel (University of Southern Denmark, Denmark)
Bekkers Rudi (Eindhoven University of Technology, The Netherlands)
Granstrand Ove (Chalmers University of Technology, Sweden)

Chapter 60
Patent Infringement Risk Analysis Using Rough Set Theory
Huang Chun-Che (National Chi Nan University, Taiwan)
Tzu-Liang (Bill) Tseng (The University of Texas at El Paso, USA)
Lin Hao-Syuan (National Chi Nan University, Taiwan)

Chapter 61
Knowledge Worker Faire Compensation:
Costa Gonçalo Jorge Morais (De Montfort University, UK)

Chapter 62
Digital Copyright Enforcement:
Pina Pedro (Polytechnic Institute of Coimbra, Portugal)

Chapter 63
The Effect of Business Characteristics on the Methods of Knowledge Protections
Bin Xu (National University of Singapore, Singapore)
Chuan Tan Kay (National University of Singapore, Singapore)

Section 7: Critical Issues

Chapter 64
Knowledge and Intellectual Property Rights:
Ryan Geraldine (University College Cork, Ireland)
Shinnick Edward (University College Cork, Ireland)

Chapter 65
Ethics and Social Issues Related to Information Communication Technology (ICT)
Edewor Nelson (Delta State Polytechnic, Nigeria)

Chapter 66
Legal Issues Facing Companies with Products in a Digital Format
Fichtner J. Royce (Drake University, USA)
Simpson Lou Ann (Drake University, USA)

Chapter 67
Between Scylla and Charybdis:
Pina Pedro (Consultant, Portugal)

Chapter 68
Ethical and Legal Issues in Teaching and Learning in Second Life in a Graduate Online Course
Talab R. S. (Kansas State University, USA)
Botterbusch Hope R. (St. Petersburg College, USA)

Chapter 69
The Trouble with Digital Copies:
Pagallo Ugo (University of Turin, Italy)

Chapter 70
Legal and Ethical Aspects of Teaching in Selected Social Virtual Worlds:
Talab R. S. (Kansas State University, USA)
Botterbusch Hope R. (Kansas State University, USA)

Chapter 71
Biotechnological Patents and Morality:
Kuanpoth Jakkrit (University of Wollongong, Australia)

Chapter 72
Preservation of Cultural and Scientific Heritage by Means of Digital Libraries
Korres Stylianos (Athens Bar Association, Greece)
Kokotsaki Eva (Athens Bar Association, Greece)

Section 8: Emerging Trends

Chapter 73
Information Agents, Social Web and Intellectual Property
Anguera de Sojo Áurea (Escuela Universitaria de Informática, Spain)
Serradilla Francisco (Escuela Universitaria de Informática, Spain)

Chapter 74
Review of the Virtual World Community
Azeharie Reza Y. (Nanyang Technological University, Singapore)

Chapter 75
Challenges to Intellectual Property Rights from Information and Communication Technologies, Nanotechnologies and Microelectronics
Driouchi Ahmed (Al Akhawayn University, Morocco)
Kadiri Molk (Al Akhawayn University, Morocco)

Chapter 76
Optimization in Digital Watermarking Techniques
Maity Santi P. (Bengal Engineering and Science University, India)
Delpha Claude (Laboratoire des Signaux et Systèmes, France & Université Paris-SUD XI, France)

Chapter 77
Emerging Challenges of the Digital Information
Kapidakis Sarantos (Ionian University, Greece)

Chapter 78
The Private Copy Issue:
Pina Pedro (Polytechnic Institute of Coimbra, Portugal)

Chapter 79
Blind Watermarking of Three-Dimensional Meshes:
Wang Kai (Université de Lyon, CNRS, INSA-Lyon, France)
Lavoué Guillaume (Université de Lyon, CNRS, INSA-Lyon, France)
Denis Florence (Université de Lyon, CNRS, Université Lyon 1, France)
Baskurt Atilla (Université de Lyon, CNRS, France)

Chapter 80
Challenges and Solutions in Multimedia Document Authentication
Katzenbeisser Stefan (Security Engineering Group, Technische Universität, Germany)
Liu Huajian (Fraunhofer-Institute for Secure Information Technology, Germany)
Steinebach Martin (Fraunhofer-Institute for Secure Information Technology, Germany)

Chapter 81
Is DRM the Great Spoiler in the IDM Marketplace?
Balgayev Ilyas (Nanyang Technological University, Singapore)
Shyan Phng Jia (Nanyang Technological University, Singapore)
Win Kaung Myat (Nanyang Technological University, Singapore)

Chapter 82
Innovation or Imitation:
Ghili Soheil (Sharif University of Technology, Iran)
Shams Hengameh (Sharif University of Technology, Iran)
Tavana Madjid (La Salle University, USA)

Order Your Copy Today!

Name: _____

Organization: _____

Address: _____

City, State, Zip: _____

Country: _____

Tel: _____

Fax: _____

E-mail: _____

☐ Enclosed is check payable to IGI Global in US Dollars, drawn on a US-based bank

☐ Credit Card ☐ Mastercard ☐ Visa ☐ Am. Express

3 or 4 Digit Security Code: _____

Name on Card: _____

Account #: _____

Expiration Date: _____