Table of Contents

Preface ............................................................................................................................................xxii

Acknowledgment.........................................................................................................................xxxi

Section 1
ICT Law and Regulation

Chapter 1
What about the Balance between Law Enforcement and Data Protection?.................................1
Irene Portela, Polytechnic Institute of Cávado and Ave, Portugal
Maria Manuela Cruz-Cunha, Polytechnic Institute of Cávado and Ave, Portugal & University of Minho, Portugal

Chapter 2
Information Agents, Social Web and Intellectual Property........................................................19
Áurea Anguera de Sojo, Escuela Universitaria de Informática, Spain
Francisco Serradilla, Escuela Universitaria de Informática, Spain

Chapter 3
Conflict Resolution in Virtual Locations .......................................................................................33
Francisco Andrade, University of Minho, Portugal
Paulo Novais, University of Minho, Portugal
Davide Carneiro, University of Minho, Portugal
José Neves, University of Minho, Portugal

Chapter 4
Legal Ontologies in ICT and Law..................................................................................................51
Witold Abramowicz, Poznan University of Economics, Poland
Piotr Stolarski, Poznan University of Economics, Poland
Tadeusz Tomaszewski, Poznan University of Economics, Poland
Chapter 5
Certified Originality of Digital Contents by the Time Authentication

Masakazu Ohasji, Chuo University, Japan
Mayumi Hori, Hakuoh University, Japan

Chapter 6
Antitrust Applied to ICT: Granting Access, Promoting Consumers’ Welfare and Enhancing Undertakings’ R&D Investments

Fernando Díez Estella, Universidad Antonio de Nebrija, Spain

Chapter 7
Taxation of Virtual Worlds: An Approach to Face Virtual Worlds as Electronic Commerce

Daniel Torres Gonçalves, Consultant, Portugal

Chapter 8
Intellectual Property Systems in Software

Ricardo Rejas-Muslera, University of Alcalá, Spain
Elena Davara, Davara & Davara Law, Spain
Alain Abran, University du Quebec, Canada
Luigi Buglione, University du Quebec, Canada

Chapter 9
A Global Perspective of Laws and Regulations Dealing with Information Security and Privacy

B. Dawn Medlin, Appalachian State University, USA
Charlie C. Chen, Appalachian State University, USA

Chapter 10

Riikka Kulmala, Turku University of Applied Sciences, Finland
Juha Kettunen, Turku University of Applied Sciences, Finland

Chapter 11
Privacy in Pervasive and Affective Computing Environments

Jeremy Pitt, Imperial College London, UK
Arvind Bhusate, Imperial College London, UK

Chapter 12
Agents, Trust and Contracts

Paulo Novais, University of Minho, Portugal
Francisco Andrade, University of Minho, Portugal
José Machado, University of Minho, Portugal
José Neves, University of Minho, Portugal
Chapter 13
Between Scylla and Charybdis: The Balance between Copyright, Digital Rights Management and Freedom of Expression ................................................................................................................... 200
Pedro Pina, Consultant, Portugal

Chapter 14
Analysis of Benefits and Risks of E-Commerce: Practical Study of Spanish SME ........................................... 214
Beatriz Sainz de Abajo, University of Valladolid, Spain
Isabel de la Torre Díez, University of Valladolid, Spain
Miguel López-Coronado, University of Valladolid, Spain

Section 2
Policies, Models, Frameworks and Rules

Chapter 15
Data Security Legislative as Data Shredding Mill ......................................................................................... 240
Jaroslav Král, Charles University, Czech Republic
Michal Žemlička, Charles University, Czech Republic

Chapter 16
Collaborative Practices in Computer-Aided Academic Research ............................................................. 249
J. Leng, University of Manchester, UK
Wes Sharrock, University of Manchester, UK

Chapter 17
Designing Appropriate Frameworks, Models, Strategies and Solutions ................................................... 271
Pawan Chhabra, Infosys, India
Chetan Jagatkishore Kothari, Infosys, India
Subhadip Sarkar, Infosys, India

Chapter 18
International Transfers of Personal Data: A UK Law Perspective ............................................................... 292
Sam De Silva, Taylor Walton LLP, UK

Chapter 19
Restricted Access and Blocking Websites, Internet Regulations and Turkey Practices ........................... 316
Murat Erdal, Istanbul University, Turkey
Gulşah Ekiz, Galatasaray University, Turkey
Selim Aksin, Turkey Telecommunication Council, Turkey
Necmi Murat Güngör, Turkey Telecommunication Council, Turkey
Section 3
Protection of Privacy and Trust

Chapter 20
Hardware Secure Access to Servers and Applications

J. A. Álvarez Bermejo, Universidad de Almería, Spain
J. A. López Ramos, Universidad de Almería, Spain
F. Gálvez Sánchez, Universidad de Almería, Spain

Chapter 21
Ensuring Users’ Rights to Privacy, Confidence and Reputation in the Online Learning Environment: What Should Instructors Do to Protect Their Students’ Privacy?

Louis B. Swartz, Robert Morris University, USA
Michele T. Cole, Robert Morris University, USA
David A. Lovejoy, Robert Morris University, USA

Chapter 22
Legislation-Aware Privacy Protection in Passive Network Monitoring

Georgios V. Lioudakis, National Technical University of Athens, Greece
Francesca Gaudino, Baker & McKenzie, Italy
Elisa Boschi, Hitachi Europe, France
Giuseppe Bianchi, University of Rome Tor Vergata, Italy
Dimitra I. Kaklamani, National Technical University of Athens, Greece
Iakovos S. Venieris, National Technical University of Athens, Greece

Section 4
Access Rights

Chapter 23
The Project of the Ancient Spanish Cartography E-Library: Main Targets and Legal Challenges

P. Chías, University of Alcalá, Spain
T. Abad, University of Alcalá, Spain
E. Rivera, University of Alcalá, Spain

Chapter 24
Trusted Computing or Distributed Trust Management?

Michele Tomaiuolo, Università di Parma, Italy

Chapter 25
Senior Web Accessibility: Laws, Standards and Practices

Isabelle Motte, Facultés Universitaires Notre-Dame de la Paix, Belgium
Monique Noirhomme-Fraiture, Facultés Universitaires Notre-Dame de la Paix, Belgium
Section 5
ICT Ethics

Chapter 26
E-Health at Home: Legal, Privacy and Security Aspects ................................................................. 441
Juan José Andrés-Gutiérrez, Telefónica R&D, Spain
Esteban Pérez-Castrejón, Telefónica R&D, Spain
Ana Isabel Calvo-Alcalde, University of Valladolid, Spain
Jesús Vegas, University of Valladolid, Spain
Miguel Ángel González, University of Valladolid, Spain

Chapter 27
Controlling Informational Society: A Google Error Analysis! .................................................. 466
Gonçalo Jorge Morais da Costa, De Montfort University, UK
Nuno Sotero Alves da Silva, De Montfort University, UK
Piotr Pawlak, Adam Mickiewicz University of Poznan, Poland

Compilation of References .................................................................................................................. 496

About the Contributors .......................................................................................................................... 538

Index.................................................................................................................................................. 552