Organizational, Legal, and Technological Dimensions of Information System Administration

Irene Maria Portela (Polytechnic Institute of Cávado and Ave, Portugal) and Fernando Almeida (Polytechnic Institute of Gaya, Portugal)

In addition to capital infrastructure and consumers, digital information created by individual and corporate consumers of information technology is quickly being recognized as a key economic resource and an extremely valuable asset to a company.

Organizational, Legal, and Technological Dimensions of Information System Administration recognizes the importance of information technology by addressing the most crucial issues, challenges, opportunities, and solutions related to the role and responsibility of an information system. Highlighting various aspects of the organizational and legal implications of system administration, this reference work will be useful to managers, IT professionals, and graduate students who seek to gain an understanding in this discipline.

Topics Covered:
- Cybercrime
- Network Security
- Cloud Computing
- Management Science
- IT Policy and Standardization
- Big Data Analysis
- Information Security Policy

Irene Maria Portela is currently an Assistant Professor in the School of Management at the Polytechnic Institute of Cávado and Ave, Portugal. She is graduated in Law, holds a Master in Public Administration and holds a PhD in Law, in the field of Anti-Terrorism Law from University of Santiago de Compostela (Spain). She teaches subjects related with Constitutional Law to undergraduate and post-graduate studies. She regularly publishes in international peer-reviewed journals and participates on international scientific conferences. Her work appears in several papers published in journals, book chapters and conference proceedings.

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The Role and Responsibilities of the System's Administrator
Filipe Moreira (Higher Polytechnic Institute of Gaya, Portugal)
Joel Luz (Higher Polytechnic Institute of Gaya, Portugal)

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Trust Management and Delegation for the Administration of Web Services
Michele Tomaiuolo (University of Parma, Italy)

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Academic and Professional Qualifications of the Systems Administrator Required to Work in the Organizational Context
José Monteiro (Higher Polytechnic Institute of Gaya, Portugal)
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Beyond Compliance
Peter J. Wasilko (The Institute for End User Computing, Inc., USA)

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Due Diligence in Cyberspace
Joanna Kulesza (University of Lodz, Poland)

Chapter 6
Criminal Liability of Organizations, Corporations, Legal Persons, and Similar Entities on Law of Portuguese Cybercrime:
Gonçalo S. de Melo Bandeira (Escola Superior de Gestão, IPCA, Portugal)

Chapter 7
Redressing Violations of Privacy:
Irene Portela (Polytechnic Institute of Câvado and Ave, Portugal)

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Role of Cloud Systems as Enabler of Global Competitive Advantages
Fawzy Soliman (University of Technology Sydney, Australia)

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Cloud Computing:
Carlos Juiz (University of the Balearic Islands, Spain)
Victor Alexander de Pous (International Federation for Information Processing (IFIP), The Netherlands)

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Information Security and Information Assurance:
Yulia Cherdantseva (Cardiff University, UK)
Jeremy Hilton (Cranfield University, UK)

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A Conceptual Framework for Big Data Analysis
Fernando Almeida (University of Porto, Portugal)
Mário Santos (University of Aveiro, Portugal)

Section 4: Survey and Case Studies

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The Role of Security Culture
Jo Malcolmson (QinetiQ Ltd, UK)

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Yulia Cherdantseva (Cardiff University, UK)
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Mitigation of Security Concerns of VoIP in the Corporate Environment
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