

Contents

Preface	v
Editor Biographies	ix
Part I: Health Care Information Systems	1
Chapter 1 Healthcare Supply Chain Information Systems VIA Service-Oriented Architecture	3
<i>Sultan N. Turhan and Özalp Vayvay</i>	
Chapter 2 The Role of the CIO in the Development of Interoperable Information Systems in Healthcare Organizations	25
<i>António Grilo, Luís Velez Lapão, Ricardo Jardim-Goncalves and Virgilio Cruz-Machado</i>	
Chapter 3 Information Systems for Handling Patients' Complaints in Health Organizations	47
<i>Zvi Stern, Elie Mersel and Nahum Gedalia</i>	
Chapter 4 How to Develop Quality Management System in a Hospital	69
<i>Ville Tuomi</i>	
Part II: Business Process Information Systems	91
Chapter 5 Modeling and Managing Business Processes	93
<i>Mohammad El-Mekawy, Khurram Shahzad and Nabeel Ahmed</i>	
Chapter 6 Business Process Reengineering and Measuring of Company Operations Efficiency	117
<i>Nataša Vujica Herzog</i>	
Chapter 7 Value Chain Re-Engineering by the Application of Advanced Planning and Scheduling	147
<i>Yohanes Kristianto, Petri Helo and Ajmal Mian</i>	
Chapter 8 Cultural Auditing in the Age of Business: Multicultural Logistics Management, and Information Systems	189
<i>Alberto G Canen and Ana Canen</i>	

Chapter 9	Efficiency as Criterion for Typification of the Dairy Industry in Minas Gerais State	199
	<i>Luiz Antonio Abrantes, Adriano Provezano Gomes, Marco Aurélio Marques Ferreira, Antônio Carlos Brunozi Júnior and Maisa Pereira Silva</i>	
Chapter 10	A Neurocybernetic Theory of Social Management Systems	221
	<i>Masudul Alam Choudhury</i>	
Chapter 11	Systematization Approach for Exploring Business Information Systems: Management Dimensions	245
	<i>Albena Antonova</i>	
Chapter 12	A Structure for Knowledge Management Systems Assessment and Audit	269
	<i>Joao Pedro Albino, Nicolau Reinhard and Silvina Santana</i>	
Chapter 13	Risk Management in Enterprise Resource Planning Systems Introduction	297
	<i>Davide Aloini, Riccardo Dulmin and Valeria Mininno</i>	
Part III: Industrial Data and Management Systems		321
Chapter 14	Asset Integrity Management: Operationalizing Sustainability Concerns	323
	<i>R. M. Chandima Ratnayake</i>	
Chapter 15	How to Boost Innovation Culture and Innovators?	359
	<i>Andrea Bikfalvi, Jari Jussila, Anu Suominen, Jussi Kantola and Hannu Vanharanta</i>	
Chapter 16	A Decision Support System for Assembly and Production Line Balancing	383
	<i>A. S. Simaria, A. R. Xambre, N. A. Filipe and P. M. Vilarinho</i>	
Chapter 17	An Innovation Applied to the Simulation of RFID Environments as Used in the Logistics	415
	<i>Marcelo Cunha De Azambuja, Carlos Fernando Jung, Carla Schwengber Ten Caten and Fabiano Passuelo Hessel</i>	

Chapter 18	Customers' Acceptance of New Service Technologies: The Case of RFID	431
	<i>Alessandra Vecchi, Louis Brennan and Aristeidis Theotokis</i>	
Chapter 19	Operational Efficiency Management Tool Placing Resources in Intangible Assets	457
	<i>Claudelino Martins Dias Junior, Osmar Possamai and Ricardo Gonçalves</i>	
Chapter 20	Interactive Technology Maps for Strategic Planning and Research Directions Based on Textual and Citation Analysis of Patents	487
	<i>Elisabetta Sani, Emanuele Ruffaldi and Massimo Bergamasco</i>	
Chapter 21	Determining Key Performance Indicators: An Analytical Network Approach	515
	<i>Daniela Carlucci and Giovanni Schiuma</i>	
Part IV: Strategic Business Information Systems		537
Chapter 22	The Use of Information Technology in Small Industrial Companies in Latin America — The Case of the Interior of São Paulo, Brazil	539
	<i>Otávio José De Oliveira and Guilherme Fontana</i>	
Chapter 23	Technology: Information, Business, Marketing, and CRM Management	565
	<i>Fernando M. Serson</i>	
Chapter 24	Transfer of Business and Information Management Systems: Issues and Challenges	585
	<i>R. Nat Natarajan</i>	
Chapter 25	Toward Digital Business Ecosystem Analysis	607
	<i>Aurelian Mihai Stanescu, Lucian Miti Ionescu, Vasile Georgescu, Liviu Badea, Mihnea Alexandru Moisescu and Ioan Stefan Sacala</i>	
Chapter 26	The Dynamics of the Informational Contents of Accounting Numbers	639
	<i>Akinloye Akindayomi</i>	

Part V: Information Systems in Supply Chain Management	653
Chapter 27 Supply Chain Enabling Technologies: Management Challenges and Opportunities	655
<i>Damien Power</i>	
Chapter 28 Supply Chain Management	675
<i>Avninder Gill and M. Ishaq Bhatti</i>	
Chapter 29 Measuring Supply Chain Performance in SMES	699
<i>Maria Argyropoulou, Milind Kumar Sharma, Rajat Bhagwat, Themistokles Lazarides, Dimitrios N. Koufopoulos and George Ioannou</i>	
Chapter 30 Information Sharing in Service Supply Chain	717
<i>Sari Uusipaavalniemi, Jari Juga and Maqsood Sandhu</i>	
Chapter 31 RFID Applications in the Supply Chain: An Evaluation Framework	737
<i>Valerio Elia, Maria Grazia Gnoni and Alessandra Rollo</i>	
Part VI: Tools for the Evaluation of Business Information Systems	763
Chapter 32 Tools for the Decision-making Process in the Management Information System of the Organization	765
<i>Carmen De Pablos Heredero and Mónica De Pablos Heredero</i>	
Chapter 33 Preliminaries of Mathematics in Business and Information Management	791
<i>Mohammed Salem Elmusrati</i>	
Chapter 34 Herding Does Not Exist or Just a Measurement Problem? A Meta-Analysis	817
<i>Nizar Hachicha, Amina Amirat and Abdelfettah Bourri</i>	
Chapter 35 Object-Oriented Metacomputing with Exertions	853
<i>Michael Sobolewski</i>	
Chapter 36 A New B2B Architecture Using Ontology and Web Services Technology	889
<i>Youcef Aklouf</i>	
Chapter 37 The Roles of Computer Simulation in Supply Chain Management	911
<i>Jia Hongyu and Zuo Peng</i>	
Index	945