

Contents

1	Measuring Business-IT Alignment, Framework Development and Case Study Results	1
	Jos J.M. Trienekens, Rob J. Kusters, and Llanos Cuenca	
2	Collaborative Health Informatics: A Multidisciplinary Approach.....	17
	Ovidiu Noran	
3	Understanding Feasibility Study Approach for Packaged Software Implementation by SMEs.....	29
	Issam Jebreen, Robert Wellington, and Stephen G. MacDonell	
4	Towards P Systems Based Approach for Evolutionary Enterprise Application.....	45
	Gunnar Piho, Jaak Tepandi, and Viljam Puusep	
5	Data-Oriented Declarative Language for Optimizing Business Processes.....	59
	Luisa Parody, María Teresa Gómez-López, and Rafael M. Gasca	
6	A Set of Practices for the Development of Data-Centric Information Systems	73
	Erki Eessaar	
7	Towards an Ontology of SoS Interoperability: Proposition of a SoS Interoperability Framework and a SoS Conceptual Interoperability Model.....	85
	Houda Benali, Narjès Bellamine Ben Saoud, and Mohamed Ben Ahmed	
8	Involving End-Users in the Design of a Domain-Specific Language for the Genetic Domain.....	99
	Maria Jose Villanueva, Francisco Valverde, and Oscar Pastor	

9	Improving Information System Interoperability in Social Sector Through Advanced Metadata	111
	Francisco Delgado, Salvador Otón, Raúl Ruggia, José Ramón Hilera, and Roberto Barchino	
10	Using Process-Level Use Case Diagrams to Infer the Business Motivation Model with a RUP-Based Approach.....	123
	Carlos E. Salgado, Ricardo J. Machado, and Rita S.P. Maciel	
11	Towards Elimination of Testing Debt in Outsourced IS Development Projects: A View from the Client Side.....	135
	Michal Doležel	
12	From Traditional Practices to a Learning Community: A Knowledge Management Approach to Support Learning in Food Hazard Identification.....	147
	Henry Linger, Frada Burstein, and Dora Constanidis	
13	Coordinating the Enterprise Modelling Effort by Means of an Entrepreneurial Goal Hierarchy.....	159
	Sebastian Bittmann and Oliver Thomas	
14	Merger and Acquisition Preparedness Building: An Enterprise Architecture Perspective	171
	Nilesh Vaniya, Ovidiu Noran, and Peter Bernus	
15	Starting Building a IT Policy: A Quest to IT Success.....	185
	Pedro Neves Rito	
16	Design Within Complex Environments: Collaborative Engineering in the Aerospace Industry.....	197
	Fernando Mas, José Luis Menéndez, Manuel Oliva, Javier Servan, Rebeca Arista, and Carmelo del Valle	
17	Understanding Contradictions in Enterprise System Implementations: A Case for Stakeholder Theory	207
	Stig Nordheim, Kai R. Moseid-Vårhus, and Arnfinn Min Bærø	
18	Company Process Support by Software Systems: Research in Small Software Companies in the Czech Republic.....	219
	Jan Mittner and Alena Buchalcevoa	
19	An Integrated Information Systems Success Model: A Case Study of an Australian Hospital.....	231
	Tian Yu Goh, Morgan Priestnall, Sedigheh Khademi, and Christopher Bain	
20	Identifying Essential and Optional Decision Constructs in On-line Transactional Processes.....	243
	Chris Barry, Mairéad Hogan, and Ann M. Torres	

21	Ontology and SOA Based Data Mining to Business Process Optimization	255
	Aleksander Pivk, Olegas Vasilecas, Diana Kalibatiene, and Rok Rupnik	
22	Data-Aware Conformance Checking for Declarative Business Process Models.....	269
	Diana Borrego, Irene Barba, and Pedro Abad	
23	Taxonomy of Anomalies in Business Process Models	283
	Tomislav Vidacic and Vjerman Strahonja	
24	An Automated Approach for Architectural Model Transformations	295
	Grzegorz Loniewski, Etienne Borde, Dominique Blouin, and Emilio Insfran	
25	A Discrete-Event Simulation Metamodel for Obtaining Simulation Models from Business Process Models	307
	M. Teresa García, M.A. Barcelona, M. Ruiz, L. García-Borgoñón, and I. Ramos	
26	A Pattern-Based and Model-Driven Approach for Deriving IT System Functional Models from Annotated Business Models	319
	Javier Berrocal, José García-Alonso, Cristina Vicente-Chicote, and Juan Manuel Murillo	
27	Applying Testing Techniques to Software Process Assessment: A Model-Based Perspective	333
	L. García-Borgoñón, R. Blanco, J.A. García-García, and M.A. Barcelona	
28	A Model-Based Approach to Develop Self-Adaptive Data Visualizations.....	345
	Juan F. Inglés-Romero, Rober Morales-Chaparro, Cristina Vicente-Chicote, and Fernando Sánchez-Figueroa	
29	A Language Oriented Extension to Toulmin's Argumentation Model for Conceptual Modelling.....	359
	Sebastian Bittmann, Balbir Barn, and Tony Clark	
30	Architecture Derivation in Product Line Development Through Model Transformations	371
	Javier González-Huerta, Emilio Insfran, Silvia Abrahão, and John D. McGregor	
31	Collaborative Modeling Through the Integration of Heterogeneous Modeling Languages	385
	Francisca Pérez, Pedro Valderas, and Joan Fons	

32	Positing a Factorial Model for Consumer Trust in Mobile Payments.....	397
	Ahmed Shuhaiber, Hans Lehmann, and Tony Hooper	
33	Multipoint Web Real-Time Communication	409
	Ruben Picek and Samuel Picek	
34	Affecting Decision-Makers' Attention through Mobile BI: Implications for Mobile BI Design Process.....	421
	Olgerta Tona and Sven A. Carlsson	
35	Generating a REST Service Layer from a Legacy System	433
	Roberto Rodríguez-Echeverría, Fernando Maclas, Víctor M. Pavón, José M. Conejero, and Fernando Sánchez-Figueroa	
36	Effective and Considerate Change Notifications in Multidisciplinary Engineering Projects.....	445
	Estefanía Serral, Richard Mordinyi, and Stefan Biffel	
37	Using Agile Methods for Infrastructure Projects: A Practical Experience	459
	C.J. Torrecilla-Salinas, J. Sedeño, M.J. Escalona, and M. Mejías	
38	The Uncertainties Management Framework: Eliminating Uncertainties from the Process	473
	Deniss Kumlander	
39	Towards the Development of a Complex Adaptive Project Environment Assessment Tool	487
	Corina Radulescu and Asif Qumer Gill	
40	ISO₂: A New Breath for the Joint Development of IS and ISO 9001 Management Systems	499
	João Barata and Paulo Rupino da Cunha	
41	Incremental and Adaptive Software Systems Development of Natural Language Applications.....	511
	Elena Lloret, Santiago Escobar, Manuel Palomar, and Isidro Ramos	
42	UCL: Universal Constraint Language	525
	Peter Piják, Jakub Malý, Martin Nečaský, and Irena Holubová (Mlýnková)	
	Index.....	539

Information System Development

Improving Enterprise Communication

Jose Escalona, M.; Aragon, G.; Linger, H.; Lang, M.;

Barry, C.; Schneider, C. (Eds.)

2014, X, 542 p. 222 illus., 155 illus. in color., Hardcover

ISBN: 978-3-319-07214-2