

# Contents

## Big Data and Knowledge Management

Genetic Algorithms and Game Theory for Airport Departure Decision Making: GeDMAN and CoDMAN . . . . .	3
<i>Deborah Mendes Ferreira, Lucas Pessoa Rosa, Vitor Filincowsky Ribeiro, Flávio de Barros Vidal, and Li Weigang</i>	
Big Data in Land Records Management in Kenya: A Fit and Viability Analysis . . . . .	15
<i>Tom Kwanya</i>	
Big Data Analytics: A Threat or an Opportunity for Knowledge Management? . . . . .	25
<i>Lesley Crane and Richard J. Self</i>	
Open Data and Big Data: A Perspective from Colombia . . . . .	35
<i>Luz Andrea Rodríguez Rojas, Giovanni Mauricio Tarazona Bermúdez, and Juan Manuel Cueva Lovelle</i>	

## Knowledge Management Practice and Case Studies

Managers' Interactions and Their Effect on Productivity: A Case Study on a Product-Design Organization . . . . .	45
<i>Norihiko Moriwaki and Dai Senoo</i>	
Identification of Motivational Factors Influencing the Return of Researchers Focusing on the Slovak Environment . . . . .	56
<i>Veronika Šramová, Anna Závodská, and Viliam Lendel</i>	
Developing Start-up Ecosystem in Small Cities: Case of Žilina and Leipzig City. . . . .	67
<i>Anna Závodská, Veronika Šramová, Andrej Rybovič, and Michal Jirásek</i>	
Knowledge Management Model as a Factor of Educative Quality: Towards an Excellence Model . . . . .	78
<i>Víctor Hugo Medina García, José A. Gil Malagón, and Darío Liberona</i>	
Antecedents of Empowerment and Commitment to Service Quality in the Chinese Hotel Industry. . . . .	90
<i>Eric Kin Wai Lau</i>	

Developing Data Analytics to Improve Services in a Mechanical Engineering Company . . . . .	99
<i>Anne-Maria Aho and Lorna Uden</i>	
Predicting Grades Based on Students' Online Course Activities . . . . .	108
<i>Aleš Černež, Sašo Karakatič, Boštjan Brumen, and Vili Podgorelec</i>	
What Government Subsidiary Projects Can Learn from Each Other: The Case of SBIR and SIIR in Taiwan . . . . .	118
<i>Yu-Hui Tao</i>	
E-HR Adoption in Taiwan: An Exploration of Potential Multilevel Antecedents and Consequences. . . . .	126
<i>C. Rosa Yeh</i>	
The Influence of Theory-Practice Gap on Knowledge Transfer at the Point of Clinical Placement . . . . .	136
<i>Rabiah Abdul Wahab, Nurol 'Ain Mustapha, Nor Azairiah Fatimah Othman, and Rashidah Shahrudin</i>	
<b>Information Technology and Knowledge Management</b>	
Knowledge Management Tools and Their Role in Doctoral Studies . . . . .	145
<i>Anna Závodská, Veronika Šramová, Katarína Púčková, and Lenka Kocifajová</i>	
A Multiple Domain Analysis and Systems Modelling Intelligence Architecture . . . . .	157
<i>Kim Mallalieu, Craig J. Ramlal, and Musti K.S. Sastry</i>	
Increasing User Engagement Using Innovative Poll First Content Delivery Method. . . . .	167
<i>Aravind Kumaresan</i>	
Information Privacy Concerns in Electronic Medical Records: A Preliminary Investigation . . . . .	177
<i>Fiza Abdul Rahim, Zuraini Ismail, and Ganthan Narayana Samy</i>	
Knowledge Management Systems – The End of the Road?: Position Paper . . .	186
<i>Sanath Sukumaran and Kanchana Chandran</i>	
A Semantic Web Approach for Visualization-Based News Analytics . . . . .	195
<i>Maarten Jongmans, Viorel Milea, and Flavius Frasinca</i>	
Exploring Affecting Factors on Green IT Adoption. . . . .	205
<i>Houn-Gee Chen and Jamie Chang</i>	

## Knowledge Management and Social Networks

Crowdsourcing in a Project Lifecycle . . . . .	221
<i>Ari Sivula and Jussi Kantola</i>	
Identifying the Knowledge Needs of Japanese Engineers. . . . .	233
<i>Rémy Magnier-Watanabe and Caroline Benton</i>	
Towards a Knowledge Transfer 2.0 Process with an Impact on a Companies of Social Business. . . . .	243
<i>Lillyana María Giraldo, Luis Joyanes, and Marta S. Tabares</i>	
Mixed Method for New Scholars with Intrusive, Emerging and Complex Socio-Technical Topics . . . . .	255
<i>Ibrahim Shafiu, William Yu Chung Wang, and Harminster Singh</i>	
Mobile Learning Platforms to Assist Individual Knowledge Management . . .	267
<i>Jean-Eric Pelet and Lorna Uden</i>	

## Knowledge Management in Organizations

Laboratory Information Management Systems – Challenges of Implementation . . . . .	281
<i>Hilary Berger</i>	
Identifying the Images of Desirable Middle Managers: Persona Design Method for Evaluating Business Competencies. . . . .	288
<i>Yasuhiro Sasaki, Masaaki Kunigami, Atsushi Yoshikawa, and Takao Terano</i>	
Knowledge Management, Innovation and Efficiency of Service Enterprises Through ICTs Appropriation and Usage . . . . .	300
<i>Flor Nancy Díaz Piraquive, Víctor Hugo Medina García, Rubén González Crespo, and Darío Liberona</i>	
E-portfolio Development Through Activity Theory in Action Research. . . . .	311
<i>Wardah Zainal Abidin, Lorna Uden, and Rose Alinda Alias</i>	
Integration Between IT Governance and Balanced Scorecard. . . . .	321
<i>Jose Ignacio Rodriguez Molano, Jenny Alexandra Triana Casallas, and Jose Ignacio Palacios Osma</i>	
How can Company Improve Financial Performance by Learning from Failure?: Short Paper. . . . .	333
<i>Sanetake Nagayoshi</i>	
Analysing the Relationship Between Components of Knowledge Orientation Strategy in Chilean Enterprises. . . . .	337
<i>Teresita Arenas and Paul Griffiths</i>	

**Knowledge Transfer, Sharing and Creation**

Apollo-An Interoperable Multi-domain Ontology Engineering and Scientific Workflow Environment Using WSMO . . . . .	349
<i>Craig J. Ramlal and Musti K.S. Sastry</i>	
Why Co-creation of Value May Not Work? . . . . .	362
<i>Marja Naaranoja and Lorna Uden</i>	
Detecting Zero-Day Attacks Using Contextual Relations . . . . .	373
<i>Ahmed Aleroud and George Karabatis</i>	
Consumer Priorities in Online Shopping . . . . .	386
<i>Takashi Okamoto</i>	
Understanding Relationship Between Security Culture and Knowledge Management: Short Paper. . . . .	397
<i>Noor Hafizah Hassan, Zuraini Ismail, and Nurazeen Maarop</i>	
Knowledge Creation Process as Communication – Connecting SECI and Activity Theory via Cascading Modes of Communication . . . . .	403
<i>Paul Horng-Jyh Wu and Lorna Uden</i>	
<b>Author Index . . . . .</b>	<b>413</b>

Knowledge Management in Organizations

9th International Conference, KMO 2014, Santiago,

Chile, September 2-5, 2014, Proceedings

Uden, L.; Fuenzaliza Oshee, D.; Ting, I.-H.; Liberona, D.  
(Eds.)

2014, XII, 414 p. 87 illus., Softcover

ISBN: 978-3-319-08617-0