

Advances in Intelligent Systems and Computing

Volume 354

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Preface

This book contains a selection of papers accepted for presentation and discussion at The 2015 World Conference on Information Systems and Technologies (WorldCIST'15). This Conference had the support of the University of the Azores, AISTI (Iberian Association for Information Systems and Technologies / Associação Ibérica de Sistemas e Tecnologias de Informação), ATI (Informatics Technical Association / Asociación de Técnicos de Informática), LIACC (Artificial Intelligence and Computer Science Laboratory) and GIIM (Global Institute for IT Management). It took place at University of the Azores, Ponta Delgada, São Miguel, Azores, Portugal, from 1st to 3rd April 2015.

The World Conference on Information Systems and Technologies (WorldCIST) is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern Information Systems and Technologies research, technological development and applications. One of its main aims is to strengthen the drive towards a holistic symbiosis between academy, society and industry. WorldCIST'15 built on the successes of WorldCIST'13, held in 2013 in Olhão, Algarve, Portugal and WorldCIST'14 which took place on 2014 in Funchal, Madeira, Portugal

The Program Committee of WorldCIST'15 was composed of a multidisciplinary group of experts and those who are intimately concerned with Information Systems and Technologies. They have had the responsibility for evaluating, in a 'blind review' process, the papers received for each of the main themes proposed for the Conference: A) Information and Knowledge Management (IKM); B) Organizational Models and Information Systems (OMIS); C) Intelligent and Decision Support Systems (IDSS); D) Big Data Analytics and Applications (BDAA); E) Software Systems, Architectures, Applications and Tools (SSAAT); F) Multimedia Systems and Applications (MSA); G) Computer Networks, Mobility and Pervasive Systems (CNMPS); H) Human-Computer Interaction (HCI); I) Health Informatics (HIS); J) Information Technologies in Education (ITE); K) Information Technologies in Radiocommunications (ITR).

WorldCIST'15 also included workshop sessions taking place in parallel with the conference ones. Workshop sessions covered themes such as i) Applied Statistics and Data Analysis using Computer Science – ASDACS; ii) Big Data Systems and Technologies – BDST; iii) Business Intelligence in Organisations – BIO; iv) Computer Supported

Qualitative Analysis – CSQA; v) Educational and Serious Games – ESG; vi) Healthcare Information Systems Interoperability, Security and Efficiency – HISISE; vii) Intelligent Systems and Machines – ISM; viii) Internet of Things – IoT; ix) Pervasive Information Systems – PIS; x) Safety, Ergonomics and Efficiency in Human-Machine Interfaces – SEEHMI; xi) Stealth and Anti-Forensics Techniques – SAFT.

WorldCIST'15 received contributions from 43 countries around the world. The papers accepted for presentation and discussion at the Conference are published by Springer (this book) and by AISTI (another e-book) and will be submitted to be indexed by ISI, EI, SCOPUS, DBLP and/or EBSCO, among others. Extended versions of best selected papers will be published in relevant journals, including SCI/SSCI and Scopus indexed journals.

We acknowledge all those who contributed to the staging of WorldCIST15 (authors, committees and sponsors); their involvement and support is very much appreciated.

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Contents

Part I: Information Technologies in Radiocommunications

- Novel Varactor-Loaded Phasing Line for Reflectarray Unit Cell with Large Reconfigurability Frequency Range** 3
Sandra Costanzo, Francesca Venneri, Antonio Raffo, Giuseppe Di Massa, Pasquale Corsonello
- Low-Cost Radars Integrated into a Landslide Early Warning System** 11
Sandra Costanzo, Giuseppe Di Massa, Antonio Costanzo, Luca Morrone, Antonio Raffo, Francesco Spadafora, Antonio Borgia, Giuseppe Formetta, Giovanna Capparelli, Pasquale Versace
- Cylindrical Rectangular Antenna for Wireless Communications** 21
Almir Souza e Silva Neto, George de Araujo Farias, Diego Oliveira da Silva, Artur Luís Torres de Oliveira, Antonio de Paula Dias Queiroz
- Antenna for Fifth Generation (5G) Using a EBG Structure** 33
Almir Souza e Silva Neto, Marta Laís de Macedo Dantas, Joicy dos Santos Silva, Humberto César Chaves Fernandes

Part II: Applied Statistics and Data Analysis Using Computer Science

- A Density-Based Clustering of Spatio-Temporal Data** 41
Ehab Zaghlool, Saleh ElKaffas, Amani Saad
- A Platform for Assessing Cancer Patients' Quality of Life** 51
Brígida Mónica Faria, Joaquim Gonçalves, Luís Paulo Reis, Álvaro Rocha
- Assessing Diabetes Health Literacy, Knowledge and Empowerment in Northern Portugal** 63
Carmina S. Morais, Rui E. Pimenta, Pedro Lopes Ferreira, José M. Boavida, José P. Amorim

Part III: Business Intelligence in Organisations

Action Research Study on Individual Knowledge Use in Organizational Innovation Processes	75
<i>Maria José Sousa, Teresa Cascais, João Paulo Rodrigues</i>	
Intelligent Business Process Based Cloud Services	83
<i>Lacheheb Mohammed Nassim, Maamri Ramdane</i>	
Business Intelligence: An Essential Tool in the Identification of Organizational Internal Talent	93
<i>Carla Caracol, Ivo Dias</i>	
Business Intelligence Applied to Human Resources Management	105
<i>Ivo Dias, Maria José Sousa</i>	
A Multi-driven Approach to Improve Data Analytics for Multi-Value Dimensions	115
<i>Gabriel Pestana, Pedro Catelas, Isabel Rosa</i>	
A Decision Support System for Municipal Budget Plan Decisions	129
<i>Hugo Rego, Armando B. Mendes, Hélia Guerra</i>	

Part IV: Pervasive Information Systems

Ramex: A Sequence Mining Algorithm Using Poly-trees	143
<i>Luís Cavique</i>	
Decision Support in E-Government – A Pervasive Business Intelligence Approach: Case Study in a Local Government	155
<i>Rui Teixeira, Fernando Afonso, Bruno Oliveira, José Machado, António Abelha, Manuel Filipe Santos, Filipe Portela</i>	
Pervasive Business Intelligence Platform to Improve the Quality of Decision Process in Primary and Secondary Education – A Portuguese Case Study	167
<i>Andreia Ferreira, Filipe Portela, Manuel Filipe Santos</i>	

Part V: Healthcare Information Systems: Interoperability, Security and Efficiency

Predicting Plateau Pressure in Intensive Medicine for Ventilated Patients	179
<i>Sérgio Oliveira, Filipe Portela, Manuel Filipe Santos, José Machado, António Abelha, Álvaro Silva, Fernando Rua</i>	
Predicting Nosocomial Infection by Using Data Mining Technologies	189
<i>Eva Silva, Luciana Cardoso, Filipe Portela, António Abelha, Manuel Filipe Santos, José Machado</i>	

Information Systems Assessment in Pathologic Anatomy Service	199
<i>Ana Novo, Júlio Duarte, Filipe Portela, António Abelha, Manuel Filipe Santos, José Machado</i>	

Part VI: Computer Supported Qualitative Analysis

Lessons Learned on Developing Educational Systems Using a Hybrid User Centered Methodology	213
<i>António Pedro Costa, Luís Paulo Reis, Maria João Loureiro</i>	

Using NVivo to Evaluate a Program of Goal Corrected Empathic Attunement Skills: A Case Study in the Context of Higher Education	223
<i>Catarina Brandão, José Miguez</i>	

Mentoring Relationships: Shedding Light on PhD Student Perspective	235
<i>Celina P. Leão, Ana C. Ferreira</i>	

Perceptions and Understandings on the Need of Change: Viewpoints across Management Levels	245
<i>Laura Costa Maia, Rúben Eira, Anabela Carvalho Alves, Celina Pinto Leão</i>	

Perceptions of Teaching in Students and in Teachers' Point of View: Implications on Students' Learning Skills in Higher Education	255
<i>Susana Oliveira Sá, Maria Palmira Alves, António Pedro Costa</i>	

Part VII: Safety, Ergonomics and Efficiency in Human-Machine Interfaces

Modeling of Complex Properties of Vacuum Packed Particles Using Evolutionary Algorithms	267
<i>Robert Zalewski, Paweł Chodkiewicz, Mariusz Pyrz</i>	

Modelling of Innovative Controllable Structures Made of Granular Materials	277
<i>Robert Zalewski, Paweł Skalski</i>	

Preparing the Aid System for Industrial Network Oriented Diagnostics	287
<i>Piotr Michalski, Mariusz Piotr Hetmańczyk</i>	

New Controllable Sound Absorbers Made of Vacuum Packed Particles	299
<i>Zalewski Robert, Rutkowski Michał</i>	

An Engine Room Simulator as a Tool for Environmental Education of Marine Engineers	311
<i>Rafał Laskowski, Leszek Chybowski, Katarzyna Gawdzińska</i>	

Remote Control of Industry Robots Using Mobile Devices	323
<i>Sławomir Żółkiewski, Krzysztof Galuszka</i>	

Basic Reliability Structures of Complex Technical Systems	333
<i>Leszek Chybowski, Sławomir Żółkiewski</i>	
Handheld Device Applications for Remote Control of Industrial Robots	343
<i>Sławomir Żółkiewski, Krzysztof Galuszka</i>	
Numerical Technologies for Vulnerable Road User Safety Enhancement	355
<i>Mariusz Ptak, Krystian Konarzewski</i>	
Conceptual Design of Means of Transport Harnessing Human Power	365
<i>Damian Derlukiewicz, Mariusz Ptak</i>	
Monitoring Human Website Interactions for Online Stores	375
<i>Tomasz Zdziebko, Piotr Sulikowski</i>	
Part VIII: Internet of Things	
Detection of Dangerous Situations Using a Smart Internet of Things System	387
<i>Nuno Vasco Lopes, Henrique Santos, Ana Isabel Azevedo</i>	
Author Index	397