

WorldCIST'13 -The 2013 World Conference on Information Systems and Technologies

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Wednesday, 27 March 20139:00-10:00 **Reception**10:00-11:00 **Open and Keynote Session***Chair:* Ana Maria Correia

Keynote 1: "The dream of Ozymandius: preservation in the digital world", Tom Wilson;

11:00-13:00

 Information & Knowledge**Management**

[How Small And Medium Enterprises Are Using Social Networks? Evidence From The Algarve Region](#)

Ana Belo; Guilherme Castela; Silvia Fernandes

[Knowledge Acquisition Activity In Software Development](#)

Olivier Gendreau; Pierre N Robillard

[Term Proximity And Data Mining Techniques For Information Retrieval Systems](#)

Habiba Drias; Ilyes Khennak

[An Electronic Learning System For Integrating Knowledge Management And Alumni Systems](#)

AMNART POHTHONG; PANUMPORN TRAKOOLDIT

[Knowledge Management Systems And Intellectual Capital Measurement In Portuguese Organizations: A Case Study](#)

Mário Pinto

[Semantic Patent Information Retrieval And Management With Owl](#)

Maria Bermudez-Edo; Manuel Noguera; Maria

Visitacion Hurtado; Jose Luis Garrido

 Radar Technologies and Posters

[High Resolution Software Defined Radar System For Target Detection](#)

Sandra Costanzo; Francesco Spadafora; Antonio

Borgia; Oswaldo Hugo Moreno; Antonio Costanzo;

Giuseppe Di Massa

[X-band Radar Sensors For The Landslide Risk Mitigation](#)

Sandra Costanzo; Giuseppe Di Massa; Marco

Salzano

[Compact Slotted Antenna For Wideband Radar Applications](#)

Sandra Costanzo; Antonio Costanzo

[Design Of A Reconfigurable Reflectarray Unit Cell For Wide Angle Beam-steering Radar Applications](#)

Francesca Venneri; Sandra Costanzo; Giuseppe Di

Massa

[Applying Mind Maps At Representing Software Requirements](#)

José Antonio Ponqueli Contó; Wagner Fontes

Godoy; Rodrigo Henrique Cunha Palácios; Elias

Canhadas Genvigir; Alexandre L´Erario; André L.

S. Domingues; José Antônio Gonçalves; Alessandro

Silveira Duarte; José Augusto Fabri

[Three-bit Hot/cold Page Clustering Mechanism For Improving Endurance Of Flash Memory](#)

Taehwa Lee; Jaehyuk Cha; Youjip Won; Suyong

Kang; Jongmoo Choi; Sungroh Yoon

[Method To Establish Processes In Information Technology Services-oriented Organizations](#)

Jezreel Mejia ; Maximino G. Luna; Mirna Muñoz;

Juan G. Hernández

[Pervasive System Infrastructure And Open Standards](#)

Arthur Taylor

13:00-14:30 **Lunch**

14:30-16:30

 Computer Networks, Mobility and Pervasive Systems

[Polynomial Approximation Of The Battery Discharge Function In Ieee 802.15.4 Nodes: Case Study Of Micaz](#)

Odilson T. Valle; André Vicente Milack; Carlos

Montez; Paulo Portugal; Francisco Vasques

[Effects Of Ngn On Market Definition](#)

João Paulo Ribeiro Pereira

[Self-portrait Images For Mobile Application](#)

Phoey Lee Teh; Nael Kabbany; Kei Jun Chan

[Enhancing Ptn To Improve The Qos Provided By The Ip Mobility Management](#)

David Cortés-Polo; José-Luis González-Sánchez;

Javier Carmona-Murillo; Fco. Javier Rodríguez-

Pérez; Javier Corral-García

 Organizational Models and Information Systems

[Information And Information Systems Project For A Strategic Digital City: A Brazilian Case](#)

Denis Alcides Rezende; Frederico de Carvalho

Figueiredo; Leana Carolina Ferreira Setim; Luciane

Maria Gonçalves Franco; Gilberto dos Santos

Madeira

[Linking Benefits To Balanced Scorecard Strategy Map](#)

Jorge Gomes; Mario Romao; Mario Caldeira

[Modelation Of E-government For Emergent Countries](#)

Artur Celestino Vera Cruz; Luis Amaral

[An Analysis Of The Disclosure Of Social Responsibility In Australian Universities](#)

| | | |
|-------------|---|---|
| | <p>Towards A Security Solution For Mobile Agents DJAMEL EDDINE MENACER; HABIBA DRIAS; CHRISTOPHE SIBERTIN-BLANC</p> <p>Open Source Software Documentation Mining For Quality Assessment Nuno Ramos Carvalho; Alberto Simões; José João Almeida</p> | <p>RAQUEL GARDE SANCHEZ; MANUEL PEDRO RODRIGUEZ BOLIVAR; LAURA ALCAIDE MUÑOZ; ANTONIO M. LOPEZ HERNANDEZ</p> <p>Tspi To Manage Software Projects In Outsourcing Environment Jezreel Mejia; Mirna A. Muñoz; Andrés Garcia</p> <p>Dealing With Constraint-based Processes: Declare And Supervisory Control Theory Eduardo Portela Santos; Sauro Schaidt; Agnelo Vieira; Eduardo Rocha Loures</p> |
| 16:30-17:00 | <input checked="" type="checkbox"/> Coffee Break | |
| 17:00-19:00 | <p><input type="checkbox"/> Human-Computer Interaction</p> <p>Age Differences In Computer Input Device Use: A Comparison Of Touchscreen, Trackball, And Mouse Calvin Or; Da Tao; Ho-cheun Ng</p> <p>Color-concept Associations Among Chinese Steel Workers And Managerial Staff Heller Wang; Calvin Or</p> <p>Temporal Visualization Of A Multidimensional Network Of News Clips Filipe Gomes; José Devezas; Álvaro Figueira</p> <p>Construction Processes Using Mobile Augmented Reality. A Study Case In Building Engineering Degree. Albert Sanchez Riera; Ernest Redondo; David Fonseca; Isidro Navarro</p> <p>Manpro: Framework For The Generation And Assessment Of Documentation For Nuclear Facilities Cristina Olaverri Monreal; Carsten Dlugosch; Klaus Bengler</p> <p>Cycle Of Information Retrieval Through Color In E-commerce: Store Choice M. Rosario Fernández Falero; Libertad Sánchez Gil; Luis V Gordillo Tapia</p> | <p><input type="checkbox"/> Software Systems, Architectures, Applications and Tools (Shorts)</p> <p>Evaluating Web Site Structure Based On Navigation Profiles And Site Topology Anália Lourenço; Alberto Simões; José João Almeida</p> <p>Remote Scientific Computing Over The Internet: An Example In Geometry Miguel FERREIRA; Miguel CASQUILHO</p> <p>Open Source Technologies Involved In Constructing A Web-based Football Information System Pedro Rodrigues; António Belguinha; Carlos Gomes; Pedro Cardoso; Tiago Vilas; João Rodrigues</p> <p>Cell Life: A Biology Game To Support Biology Classrooms Teresa Futscher de Deus; Pedro Faria Lopes</p> <p>Improving Public Transport Management: A Simulation Based On The Context Of Software Multi-agents Marcia Pasin; Thiago da Silveira</p> <p>Extending The Groovy Language Using Ast Transformations To Monitor Variables And Methods Carlos Cortinhas; Fernando Barros</p> <p>Smart Land Record Application Using Web Gis And Gps Muhammad Shahid Bhatti; Muhamamd Ajmal; Atif Saeed; Maqsood Ahmed; Rizwan Khalid; Nouman Arshad</p> <p>Android, Gis & Web Base Project, Emergency Management System (ems) Which Overcomes Quick Emergency Response Challenges Atif Saeed; Muhamamd Shahid; Adil Waseem; Arsalan Akbar; Adnan Mahmood</p> |

Thursday, 28 March 2013

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|-------------|---|---|
| 9:00-10:30 | <p><input type="checkbox"/> Information & Knowledge Management</p> <p>The Problems Of The Insolvency Register In The Czech Republic From The Perspective Of Information Technology Luboš Smrčka</p> <p>Multilevel Clustering Of Induction Rules For Web Meta-knowledge Amine Chemchem; Habiba Drias; Youcef Djenouri</p> <p>Knowledge-based Risk Management: Survey On Brazilian Software Development Enterprises Sandra Neves; Carlos Eduardo Silva; Valério Antonio Salomon; André Leonardo Santos</p> <p>Leveraging Knowledge From Different Communities Using Ontologies Herlina Jayadianti; Carlos Alberto Baptista Sousa Pinto; Lukito Edi Nugroho; Insap Santosa Paulus</p> <p>Task Topic Knowledge Vs. Background Domain Knowledge: Impact Of Two Types Of Knowledge On User Search Performance xiangmin zhang; jingjing liu; michael cole</p> | <p><input type="checkbox"/> Software Systems, Architectures, Applications and Tools</p> <p>A Collaborative Tourist System Using Serious Games Rui Fernandes; João Emílio Almeida; Rosaldo J. F. Rosseti</p> <p>Soa - Based Authentication System For Dynamic Handwritten Signature Andreea Salinca; Mircea Sorin Rusu; Ana-Maria Pricochi</p> <p>Gloria: The First Free Access E-infrastructure Of Robotic Telescopes For Citizen Science Carlos Jesús Pérez del Pulgar; Raquel Cedazo; Juan Cabello; Esteban González; Víctor Fernando Muñoz Martínez; Fernando Serena; María del Carmen López Casado; Fernando Ibáñez; Francisco Manuel Sánchez</p> <p>An Mda Approach To Develop Web Components Jose Luis Herrero Agustin; Pablo Carmona del Barco; Fabiola Lucio Sanchez</p> <p>Network Based Analysis Of Intertextual Relations Ioan Cristian Ghiban; Ștefan Trăușan Matu</p> |
| 10:30-11:00 | <input checked="" type="checkbox"/> Coffee Break | |

| | | |
|-------------|---|---|
| 11:00-13:00 | <input type="checkbox"/> Human-Computer Interaction <i>User Documentation: The Cinderella Of Information Systems</i> Brigit van Loggem <i>Perceived Site Security As A Second Order Construct And Its Relationship To E-commerce Site Usage</i> Edward Hartono; Ki-Yoon Kim; Kwan-Sik Na; James T. Simpson <i>Gemini: A Generic Multi-modal Natural Interface Framework For Videogames</i> Pedro Alves Nogueira; Luís Filipe Teófilo; Pedro Brandão Silva <i>Accessibility Study In Sites Of Public Higher Education Institution In Brazil</i> Mariana Sanches; Lílian Simão Oliveira <i>A Study Of Biometric Authentication Adoption In Health Services</i> Paulo Rodrigues; Henrique Santos | <input type="checkbox"/> Intelligent and Decision Support Systems <i>Predict Sepsis Level In Intensive Medicine - Data Mining Approach</i> João Gonçalves; Filipe Portela; Manuel Filipe Santos; Álvaro Silva; José Machado; António Abelha <i>Pervasive Intelligent Decision Support System - Technology Acceptance In Intensive Care Units</i> Filipe Portela; Jorge Aguiar; Manuel Filipe Santos; Álvaro Silva; Fernando Rua <i>Multi-agent System For Teaching Service Distribution With Coalition Formation</i> José Joaquim Moreira; Luís Paulo Reis <i>A Dynamically Adjustable Autonomic Agent Framework</i> Salama Mostafa; Mohd Sharifuddin Ahmad; Muthukkaruppan Annamalai; Azhana Ahmad; Saraswathy Shamini Gunasekaran <i>High-level Language To Build Poker Agents</i> Luis Paulo Reis; Pedro Mendes; Luis Teófilo; Henrique Lopes Cardoso <i>A Conceptual Model Of Layered Adjustable Autonomy</i> Salama Mostafa; Mohd Sharifuddin Ahmad; Muthukkaruppan Annamalai; Azhana Ahmad; Saraswathy Shamini Gunasekaran |
| 13:00-14:30 | <input checked="" type="checkbox"/> Lunch | |
| 14:30-16:30 | <input type="checkbox"/> Information & Knowledge Management <i>An Approach For Deriving Semantically Related Category Hierarchies From Wikipedia Category Graphs</i> Khaled A. Hejazy; Samhaa R. El-Beltagy <i>Privacy Policies In Websites Of Portuguese Municipalities: An Empirical Study</i> Gonçalo Paiva Dias; Hélder Gomes; André Zúquete <i>Knowledge Integration In Problem Solving Processes</i> Maria Sousa <i>Collaborative Elicitation Of Conceptual Representations: A Corpus-based Approach</i> Cristóvão Sousa; Carla Pereira; António Soares <i>Social Networks Mining Based On Information Retrieval Technologies And Bees Swarm Optimization: Application To Dblp</i> Yassine Drias; Habiba Drias <i>Knowledge Management Framework For Six Sigma Performance Level Assessment</i> Jevgeni Sahno; Eduard Sevtsenko; Tatjana Karaulova | <input type="checkbox"/> Software Systems, Architectures, Applications and Tools <i>Lessons Learned From Creating A General Purpose Tool For Experience Sampling Studies</i> André Coelho; Rui José <i>Building An Integrated System For The Management Of Scientific Nature Events Through Open Source Software Integration</i> Miguel Gamito; Carlos Serrão <i>A Tool For Fractal Component Based Applications Performance Modelling Using Stochastic Well Formed Nets</i> Nabila SALMI; Malika Ioualalen; Smail Lallali; Hamza Zerguine <i>A Networked Application To Support The Learning Of Electronic Marketing Based On E-learning And A Portfolio Of Mediating Tools</i> Luis Vaz; Nuno David <i>A Platform-as-a-service Api Aggregator</i> David Cunha; Pedro Neves; Pedro Sousa <i>Towards A Conceptual Framework For Early Warning Information Systems (ewis) For Crisis Preparedness</i> Mohamed Saad; Hegazy Zaher; Sherif Mazen; Ehaz Ezzat |
| 16:30-17:00 | <input checked="" type="checkbox"/> Coffee Break | |
| 17:00-18:30 | <input type="checkbox"/> Information & Knowledge Management; Intelligent & Decision Support Systems; Organizational Models and Information Systems (Shorts) <i>Constructing Conceptual Model For Security Culture In Information Systems</i> Ahmad Bakhtiyari Shahri; Zuraini Ismail; Nor Zairah AB.Rahim <i>Community Detection By Local Influence</i> Nuno Cravino; Álvaro Figueira <i>Mobile Commerce In Saudi Arabia</i> AbdulMohsin Alkhunaizan; Dr Steve Love <i>Knowledge Systems - A Model For Intelligent Learning Management Within Organizations</i> Isabel Mendes; Henrique Santos; Celina Pinto Leão <i>Developing And Validating A Scale For Perceived Usefulness For The Mobile Wallet</i> Debby Ho; Milena Head; Khaled Hassanein | <input type="checkbox"/> Software Systems, Architectures, Applications and Tools; Computer Networks, Mobility and Pervasive Systems (Shorts) <i>The Relationship Between Portal Quality And Citizens' Acceptance: The Case Of The Kuwaiti E-government</i> Adel Aladwani <i>Mc64-cluster: A Many-core Cpu Cluster For Bioinformatics Applications</i> Francisco J. Esteban; David Diaz; Pilar Hernández; Juan A. Caballero; Gabriel Dorado; Sergio Gálvez <i>User's Requirements In Internet Access Sharing</i> Conceição Tavares; Henrique Santos <i>A Multidimensional Model For Monitoring Cloud Services</i> Nuno Palhares; Solange Lima; Paulo Carvalho |

20:00-22:30 **Conference Dinner****Friday, 29 March 2013**

9:00-10:30

 Organizational Models and Information Systems[Information Architectures Definition – A Case Study In A Portuguese Local Public Administration Organization](#)

Filipe Sá; Álvaro Rocha

[Aspects That Contribute To The Success Of Personalized Web Applications](#)

José Luís Reis; João Carvalho

[Implementing E-health Services For Enhanced Pharmaceutical Care Provision: Opportunities And Challenges](#)

Luís Velez Lapão; João Gregório; Afonso Cavaco; Miguel Mira da Silva; Christian Lovis

[Establishing Multi-model Environments To Improve Organizational Software Processes](#)

Mirna Muñoz; Jezreel Mejia

[Standardization Of Processes Applying Cmmi Best Practices](#)

Vitor Serrano; Anabela Tereso; Pedro Ribeiro; Miguel Brito

 Software Systems, Architectures, Applications and Tools[Finding The Suitable Number Of Resources To Maximize System Throughput](#)

M. Carmen Ruiz; J.Jose Pardo; Diego Perez; Diego Cazorla

[Step Towards Paperless Towards Paper Free Hospital Through Electronic Health Record](#)

Maria Salazar; Júlio Duarte; Rui Pereira; Filipe Portela; Manuel Santos; António Abelha; José Machado

[High Level Architecture For Trading Agents In Betting Exchange Markets](#)

Rui Gonçalves; Ana Rocha; Fernando Pereira

[Obtaining Multiple Dispatch In Hybrid Statically And Dynamically Typed Languages](#)

Francisco Ortin; Miguel Garcia; Jose Manuel Redondo; Jose Quiroga

[Text Mining Indicators Of Affect And Interaction: A Case Study Of Students' Postings In A Blended-learning Course Of English For Specific Purposes](#)

Helvia Bastos; Magda Bercht; Leandro Wives; Júlia Kambara-Silva; Yasmin Martins

10:30-11:00

 Coffee Break

11:00-13:00

 Human-Computer Interaction[A User-centered Interface For Scheduling Problem Definition](#)

Jesus Piairol; Ana Madureira; João Paulo Pereira; Ivo Pereira

[Visualization And Manipulation Of Information In 3d Immersive Environments](#)

Filipe Costa; João Paulo Pereira; António Castro

[Exploring The Design Space Of Mobile Payment Systems](#)

Rui José; Nuno Otero; Helena Rodrigues; Filipe Meneses; Odete Coelho

[SketchyDynamics: A Sketch-based Library For The Development Of Physics Simulation Applications](#)

Abílio Costa; João Pereira

[Designing User Learning Experience In Virtual Worlds: The Young Europeans For Democracy Serious Application](#)

Gonçalo Cruz; Ana Maia; Paulo Martins; Leonel Morgado; Benjamim Fonseca; Hugo Paredes;

Fernando Bessa; Clara Rodrigues

[The Behaviour Assessment Model For The Analysis And Evaluation Of Pervasive Services](#)

Bernhard Klein; Ivan Pretel; Ulf-Dietrich Reips;

Ana B. Lago; Diego Lopez-de-Ipiña

 Intelligent and Decision Support Systems[Aggregation Operators And Interval-valued Fuzzy Numbers In Decision Making](#)

József Mezei; Robin Wikström

[Deriving Weights From Group Fuzzy Pairwise Comparison Judgement Matrices](#)

Tarifa Almulhim; Ludmil Mikhailov; Dong-Ling Xu

[Cooperative Scheduling System With Emergent Swarm Based Behavior](#)

Ana Madureira; Ivo Pereira; Diamantino Falcão

[An Economic Production Quantity Problem With Fuzzy Backorder And Fuzzy Demand](#)

József Mezei; Kaj-Mikael Björk

[Building Accountability For Decision-making Into Cognitive Systems](#)

Victoria Lemieux; Thomas Dang

[The Relationship Between Management Decision Support And Business Intelligence: Developing Awareness](#)

Rimvydas Skyrius; Gelyte Kazakeviciene; Vytautas Bujauskas

13:00-14:30

 Lunch

14:30-18:30

 Social Program[Create My Program](#)