

**PROGRAM**  
AND  
**BOOK OF ABSTRACTS**

Guimarães, Portugal

7<sup>th</sup>- 9<sup>th</sup>, October, 2015


 **2015**

[www.algoritmi.uminho.pt/idc2015](http://www.algoritmi.uminho.pt/idc2015)

9<sup>th</sup> International Symposium on Intelligent Distributed Computing



**AGENDA**  
AND  
**DETAILED PROGRAM**



**IDC'2015**

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9<sup>th</sup> International Symposium on Intelligent Distributed Computing

	Wednesday October 7 <sup>th</sup> , 2015	Thursday October 8 <sup>th</sup> , 2015	Friday October 9 <sup>th</sup> , 2015
08:00	Registration	Registration	Registration
09:00	Conference Opening	Session 4	Session 7
10:00	Session 1 Bio-Inspired Computing	Ambient Intelligence and Social Networks	Machine Learning
11:00	Coffee Break	Coffee Break	Coffee Break
12:00	Keynote Speaker Amílcar Cardoso	Keynote Speaker Francisco Fdez de Vega	Keynote Speaker Fernando Boavida
13:00	Lunch	Lunch	Lunch
14:00	Session 2	Session 5	Workshop
15:00	Agent-Based Systems I	Intelligent Data Processing	FI&SN'2015
16:00	Coffee Break	Coffee Break	Workshop WSRL'2015
17:00	Session 3	Session 6	Coffee Break
	Agent-Based Systems II	Distributed Computing	Closing Session
18:00	Special Session	Social Program	
19:00	ESAmI'2015		
20:00	COMEDA'2015	Conference Banquet	
	Welcome Reception		

IDC'2015 participants have full admission to all sessions, including special sessions and workshops.

	Wednesday October 7 <sup>th</sup> , 2015
8:00	Registration
9:00	Conference Opening
9:30	Session 1 <span style="float: right;">Bio-Inspired Computing</span>
	Room Santa Maria
	Chair: Victor Toporkov
	<ul style="list-style-type: none"> <li>○ <i>“Reconfiguration of access schemes in virtual networks of the Internet of things by genetic algorithms”</i> Igor Saenko and Igor Kotenko</li> <li>○ <i>“GAMPP: Genetic Algorithm for UAV Mission Planning Problems”</i> Gema Bello-Orgaz, Cristian Ramirez-Atencia, Jaime Fradera-Gil and David Camacho</li> <li>○ <i>“FSP Modeling of a Generic Distributed Swarm Computing Framework”</i> Amelia Badica, Costin Badica and Marius Brezovan</li> </ul>
11:00	Coffee Break
11:30	Keynote Speaker <span style="float: right;">Amílcar Cardoso</span>
	Room Santa Maria
	Chair: Paulo Novais
	<ul style="list-style-type: none"> <li>○ <i>“Computational Creativity: distributed approaches”</i> Amílcar Cardoso University of Coimbra, Portugal</li> </ul>
13:00	Lunch
14:30	Session 2 <span style="float: right;">Agent-Based Systems I</span>
	Room Santa Maria
	Chair: Costin Badica
	<ul style="list-style-type: none"> <li>○ <i>“Agents and Ontologies for a Smart Management of Heterogeneous Data: The IndianaMas System”</i> Daniela Briola</li> <li>○ <i>“A CBR approach to allocate computational resources within a cloud platform”</i> Fernando De La Prieta, Javier Bajo and Juan M. Corchado</li> <li>○ <i>“From Virtual to Real, Human Interaction as a Validation Process for IVEs”</i> J.A. Rincon, Emilia Garcia, V. Julian and C. Carrascosa</li> <li>○ <i>“A Multi-Agent Strategic Planning System based on Blackboard”</i> Juan Luis Dalmau-Espert, Faraón Llorens-Largo and Rafael Molina-Carmona</li> </ul>
16:00	Coffee Break

Wednesday October 7 <sup>th</sup> , 2015	
16:30	Session 3 <span style="float: right;">Agent-Based Systems II</span>
	Room Santa Maria
	Chairs: Igor Kotenko
	<ul style="list-style-type: none"> <li>○ <i>"MAESTROS: Multi Agent Simulation of Rework in Open Source Software"</i> Thiago R.P.M. Rúbio, Henrique Lopes Cardoso and Eugénio Oliveira</li> <li>○ <i>"Scrutable Multi-agent Hazard Rescue System"</i> Andrei Mocanu and Costin Badica</li> <li>○ <i>"Reliable interaction in multiagent systems"</i> Dejan Mitrovic, Mirjana Ivanovic, Milan Vidakovic and and Zoran Budimac</li> <li>○ <i>"Fault tolerant automated task execution in a multi-robot system"</i> Stanislaw Ambroszkiewicz, Waldemar Bartyna, Kamil Skarzynski and Marcin Stepniak</li> </ul>
18:00	Special Session ESAmI'2015
	Room São Jorge
	Chairs: A. Costa, J. C. Castillo and F. Silva
	<ul style="list-style-type: none"> <li>○ <i>"Intelligent distributed systems for rural areas"</i> Luís Frazão, Silvana Gómez-Meire and António Pereira</li> <li>○ <i>"Intelligible Data Metrics for Ambient Sensorization and Gamification"</i> Artur Quintas, Jorge Martins, Marcos Magalhães, Fábio Silva and Cesar Analide</li> <li>○ <i>"Hierarchical Architecture for Robust People Detection by Fusion of Infrared and Visible Video"</i> José Carlos Castillo, Juan Serrano-Cuerda, Antonio Fernández-Caballero and Arturo Martínez-Rodrigo</li> </ul>
18:00	Special Session COMEDAI'2015
	Room São Miguel
	Chairs: G. Marreiros, D. Carneiro, E. Martinez-Martin and A. Pimenta
	<ul style="list-style-type: none"> <li>○ <i>"Recommendations with personality traits extracted from text reviews"</i>, Antonella Di Rienzo and Asana Neishabouri</li> <li>○ <i>"A framework for the automation of multimodal brain connectivity analyses"</i>, Paulo Marques, José Miguel Soares, Ricardo Magalhães, Nuno Sousa and Victor Alves</li> <li>○ <i>"Emotion Effects on Online Learning"</i>, Ana Raquel Faria, Ana Almeida, Constantino Martins and Ramiro Gonçalves</li> <li>○ <i>"A Reasoning Module for Distributed Clinical Decision Support Systems"</i>, Tiago Oliveira, Ken Satoh, Paulo Novais, José Neves, Pedro Leão, and Hiroshi Hosobe</li> </ul>
19:30	Welcome Reception



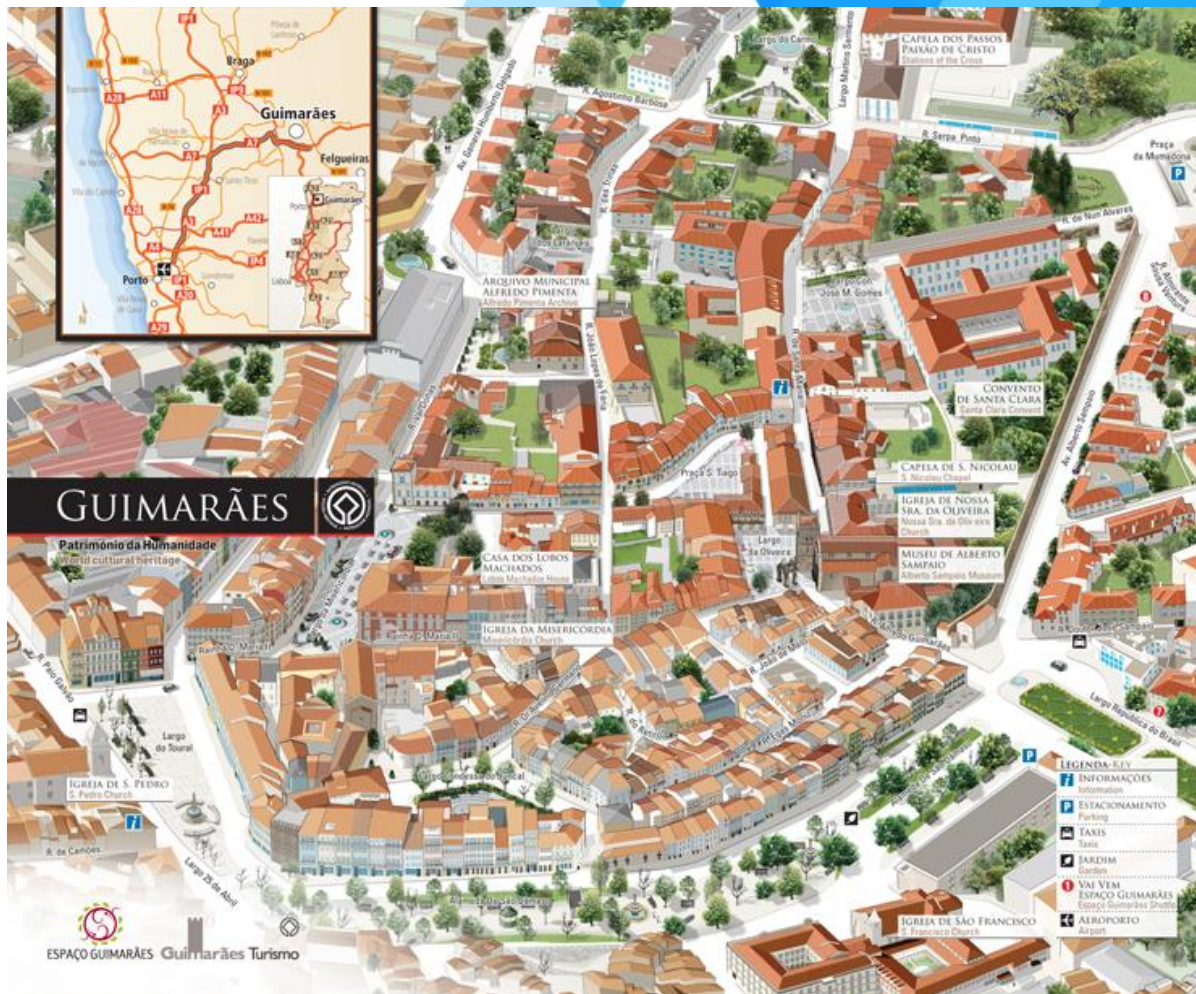






Friday October 9 <sup>th</sup> , 2015		
14:30	Workshop FI&SN'2015	Workshop WSRL'2015
	Room São Jorge	Room São Miguel
	Chairs: Alexandre Santos, Pascal Lorenz and António Costa	Chairs: Massimo Ficco and Salvatore D'Antonio
	<ul style="list-style-type: none"> <li>○ <i>"SDN-Based Services Delivering in Smart Environments"</i> Lucas Mendes Ribeiro Arbiza, Liane Margarida Rockenbach Tarouco, Leandro Márcio Bertholdo and Lisandro Zambenedetti Granville</li> <li>○ <i>"Automated Network Resilience Optimization using Computational Intelligence Methods"</i> Vitor Pereira, Miguel Rocha and Pedro Sousa</li> <li>○ <i>"An Automated Framework for the Management of P2P Traffic in ISP Infrastructures"</i> Pedro Sousa</li> <li>○ <i>"A Geographic Opportunistic Forwarding Strategy for Vehicular Named Data Networking"</i> Xuejie Liu, M. João Nicolau, António Costa, Joaquim Macedo and Alexandre Santos</li> </ul>	<ul style="list-style-type: none"> <li>○ <i>"A Semantic Driven Approach for Consistency Verification between Requirements and FMEA Analysis"</i> Gabriella Gigante, Francesco Gargiulo, Massimo Ficco and Domenico Pascarella</li> <li>○ <i>"An Analytical Approach for Optimal Resilience Management in Future ATM Systems"</i> Domenico Pascarella, Francesco Gargiulo, Angela Errico and Edoardo Filippone</li> <li>○ <i>"Enabling convergence of physical and logical security through intelligent event correlation"</i> Gianfranco Cerullo, Luigi Coppolino, Salvatore D'Antonio, Valerio Formicola, Gaetano Papale and Bruno Ragucci</li> <li>○ <i>"Model-Based Vulnerability Assessment of Self-Adaptive Protection Systems"</i> Ricardo J. Rodriguez and Stefano Marrone</li> <li>○ <i>"Forensic Data Analysis Challenges in Large Scale Systems"</i> Damien Conroy</li> </ul>
16:30	Coffee Break	
17:00	Closing Session	

# VISIT GUIMARÃES



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