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Distributed computing and artificial intelligence, 12th international conference

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Distributed Computing and Artificial Intelligence, 12th International Conference

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Preface

The 12th International Symposium on Distributed Computing and Artificial Intelligence 2015 (DCAI 2015) is a forum to present applications of innovative techniques for solving complex problems in these areas. The exchange of ideas between scientists and technicians from both the academic and industrial sector is essential to facilitate the development of systems that can meet the ever-increasing demands of today's society. The present edition brings together past experience, current work and promising future trends associated with distributed computing, artificial intelligence and their application in order to provide efficient solutions to real problems. This conference is a stimulating and productive forum where the scientific community can work towards future cooperation in Distributed Computing and Artificial Intelligence areas.

Nowadays it is continuing to grow and prosper in its role as one of the premier conferences devoted to the quickly changing landscape of distributed computing, artificial intelligence and the application of AI to distributed systems. This year's technical program will present both high quality and diversity, with contributions in well-established and evolving areas of research. Specifically, 62 papers were submitted to the main track from over 18 different, representing a truly "wide area network" of research activity. The DCAI'15 technical program has selected 46 papers, the best papers will be selected for their publication on the the following special issues in journals such as Neurocomputing, Frontiers of Information Technology & Electronic Engineering, Journal of Artificial Intelligence (IJAI), the International Journal of Imaging and Robotics (IJIR) and the International Journal of Interactive Multimedia and Artificial Intelligence (IJIMAI). These special issues will cover extended versions of the most highly regarded works.

Moreover, DCAI'15 Special Sessions have been a very useful tool in order to complement the regular program with new or emerging topics of particular interest to the participating community. Special Sessions that emphasize on multi-disciplinary and transversal aspects, such as *AI-driven methods for Multimodal Networks and Processes Modeling* and *Multi-Agents Macroeconomics* have been especially encouraged and welcome.

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Review Process

DCAI welcomed the submission of application papers with preference to the topics listed in the call for papers.

All submitted papers followed a thorough review process. For each paper was be refereed by at least two international experts in the field from the scientific committee (and most of them by three experts) based on relevance, originality, significance, quality and clarity.

The review process took place from January 20, 2015 to February 18, 2015 and was carried out using the EasyChair conference tool.

The review process granted that the papers consisted of original, relevant and previously unpublished sound research results related to any of the topics of the conference.

All the authors of those papers requiring modifications were required to upload a document stating the changes included in the paper according to the reviewers' recommendations. The documents, together with the final versions of the papers, were revised in detail by the scientific committee chairs.

Contents

Part I: Main Track

A Natural Language Interface to Ontology-Based Knowledge Bases	3
<i>Mario Andrés Paredes-Valverde, José Ángel Noguera-Arnaldos, Cristian Aarón Rodríguez-Enríquez, Rafael Valencia-García, Giner Alor-Hernández</i>	
Retweeting Prediction Using Meta-Paths Aggregated with Follow Model in Online Social Networks	11
<i>Li Weigang, Jianya Zheng</i>	
Swarm Agent-Based Architecture Suitable for Internet of Things and Smartcities	21
<i>Pablo Chamoso, Fernando De la Prieta, Francisco De Paz, Juan M. Corchado</i>	
Detection of Rice Field Using the Self-organizing Feature Map	31
<i>Sigeru Omatu, Mitsuaki Yano</i>	
Ontology-Based Music Recommender System	39
<i>Miguel Ángel Rodríguez-García, Luis Omar Colombo-Mendoza, Rafael Valencia-García, Antonio A. Lopez-Lorca, Ghassan Beydoun</i>	
Data Reordering for Minimizing Threads Divergence in GPU-Based Evaluating Association Rules	47
<i>Youcef Djenouri, Ahcene Bendjoudi, Malika Mehdi, Zineb Habbas, Nadia Nouali-Taboudjemat</i>	
Checking RTECTL Properties of STSs via SMT-Based Bounded Model Checking	55
<i>Agnieszka M. Zbrzezny, Andrzej Zbrzezny</i>	
Multi-agent System for Tracking and Classification of Moving Objects	63
<i>Sergio Sánchez, Sara Rodríguez, Fernando De la Prieta, Juan F. De Paz, Javier Bajo</i>	

Improved Local Weather Forecasts Using Artificial Neural Networks	75
<i>Morten Gill Wollsen, Bo Nørregaard Jørgensen</i>	
On the Bias of the SIR Filter in Parameter Estimation of the Dynamics Process of State Space Models	87
<i>Tiancheng Li, Sara Rodríguez, Javier Bajo, Juan M. Corchado, Shudong Sun</i>	
Hierarchical Multi-label Classification Problems: An LCS Approach	97
<i>Luiz Melo Romão, Julio César Nievola</i>	
Analysis of Web Objects Distribution	105
<i>Manuel Gómez Zotano, Jorge Gómez Sanz, Juan Pavón</i>	
Investors or Givers ? The Case of a Portuguese Crowdfunding Site	113
<i>Paulo Mourao, Catarina Costa</i>	
Effects of Organizational Dynamics in Adaptive Distributed Search Processes	121
<i>Friederike Wall</i>	
A Multi-agent Framework for Research Supervision Management	129
<i>Omar Abdullatif Jassim, Moamin A. Mahmoud, Mohd Sharifuddin Ahmad</i>	
A Formal Machines as a Player of a Game	137
<i>Paulo Vieira, Juan Corchado</i>	
Trusting Norms: A Conceptual Norms' Trust Framework for Norms Adoption in Open Normative Multi-agent Systems	149
<i>Nurzeatul Hamimah Abdul Hamid, Mohd Sharifuddin Ahmad, Azhana Ahmad, Aida Mustapha, Moamin A. Mahmoud, Mohd Zaliman Mohd Yusoff</i>	
Do Human-Agent Conversations Resemble Human-Human Conversations?	159
<i>David Griol, José Manuel Molina</i>	
Artificial and Natural Intelligence Integration	167
<i>Juan C. Alvarado-Pérez, Diego H. Peluffo-Ordóñez</i>	
CASOOK: Creative Animating Sketchbook	175
<i>Miki Ueno, Kiyohito Fukuda, Akihiko Yasui, Naoki Mori, Keinosuke Matsumoto</i>	
Collective Strategies for Virtual Environments: Modelling Ways to Deal with the Uncertainty	183
<i>L. Castillo, C. López, M. Bedia, F. López</i>	

Solar Intensity Characterization Using Data-Mining to Support Solar Forecasting	193
<i>Tiago Pinto, Gabriel Santos, Luis Marques, Tiago M. Sousa, Isabel Praça, Zita Vale, Samuel L. Abreu</i>	
Automated Multi-Agent Negotiation Framework for the Construction Domain	203
<i>Moamin A. Mahmoud, Mohd Sharifuddin Ahmad, Mohd Zaliman M. Yusoff, Arazi Idrus</i>	
A Comparative Study of the Dynamic Matrix Controller Tuning by Evolutionary Computation	211
<i>Gustavo Maia de Almeida, Marco Antonio de S.L.Cuadro, Rogério Passos Pereira Amaral, José Leandro F. Salles</i>	
Design of a Semantic Lexicon Affective Applied to an Analysis Model Emotions for Teaching Evaluation	219
<i>Gutiérrez Guadalupe, Margain Lourdes, Padilla Alejandro, Canúl-Reich Juana, Ponce Julio</i>	
The Effect of Training Data Selection on Face Recognition in Surveillance Application	227
<i>Jamal Ahmad Dargham, Ali Chekima, Ervin Gubin Mounq, Segiru Omatu</i>	
Combining Scheduling Heuristics to Improve e-Mail Filtering Throughput	235
<i>D. Ruano-Ordás, J. Fdez-Glez, F. Fdez-Riverola, J.R. Méndez</i>	
Analyzing the Impact of Unbalanced Data on Web Spam Classification	243
<i>J. Fdez-Glez, D. Ruano-Ordás, F. Fdez-Riverola, J.R. Méndez, R. Pavón, R. Laza</i>	
Implementing an IEEE802.15.7 Physical Layer Simulation Model with OMNET++	251
<i>Carlos Ley-Bosch, Roberto Medina-Sosa, Itziar Alonso-González, David Sánchez-Rodríguez</i>	
P2P Self-organizing Agent System: GRID Resource Management Case	259
<i>Oleg Bukhvalov, Vladimir Gorodetsky</i>	
Awakening Decentralised Real-Time Collaboration: Re-engineering Apache Wave into a General-Purpose Federated and Collaborative Platform	269
<i>Pablo Ojanguren-Menendez, Antonio Tenorio-Fornés, Samer Hassan</i>	
Efficient P2P Approach for a Better Automation of the Distributed Discovery of SWs	277
<i>Adel Boukhadra, Karima Benatchba, Amar Balla</i>	

Exploration of Unknown Territory via DALI Agents and ASP Modules	285
<i>Stefania Costantini, Giovanni De Gasperis, Giulio Nazzicone</i>	
A Bloom Filter-Based Index for Distributed Storage Systems	293
<i>Zhu Wang, Chenxi Luo, Tiejian Luo, Xia Chen, Jinzhong Hou</i>	
Construction of Functional Brain Connectivity Networks	303
<i>Ricardo Magalhães, Paulo Marques, Telma Veloso, José Miguel Soares, Nuno Sousa, Victor Alves</i>	
Part II: Special Session on AI-Driven Methods for Multimodal Networks and Processes Modeling (AIMPM 2015)	
Multimodal Processes Optimization Subject to Fuzzy Operation Time Constraints	313
<i>R. Wójcik, I. Nielsen, G. Bocewicz, Z. Banaszak</i>	
The Effect of the Use of Motivators of Knowledge Sharing on the Outcome of Realized Business Strategies in Polish Manufacturing Enterprises	323
<i>Justyna Patalas-Maliszewska</i>	
A Declarative Approach to Decision Support in Sustainable Supply Chain Problems	331
<i>Paweł Sitek</i>	
A Knowledge-Based Approach to Product Concept Screening	341
<i>Marcin Relich, Antoni Śwíc, Arkadiusz Gola</i>	
Scheduling Part-Feeding Tasks for a Single Robot with Feeding Quantity Consideration	349
<i>Izabela Nielsen, Ngoc Anh Dung Do, Peter Nielsen</i>	
Approving with Application of an Electronic Bulletin Board, as a Mechanism of Coordination of Actions in Complex Systems	357
<i>Katarzyna Grzybowska, Patrycja Hoffa</i>	
Part III: Special Session on Multi-agents Macroeconomics (MAM 2015)	
Bilateral Netting and Contagion Dynamics in Financial Networks	369
<i>Edoardo Gaffeo, Lucio Gobbi</i>	
Using Social Media Advertising to Increase the Awareness, Promotion and Diffusion of Public and Private Entities	377
<i>Eva Lahuerta Otero, Rebeca Cordero Gutiérrez</i>	

Understanding the Support of Savings to Income: A Multivariate Adaptive Regression Splines Analysis	385
<i>Iacopo Odoardi, Fabrizio Muratore</i>	
Verification of Data Aware Business Process Models: A Methodological Survey of Research Results and Challenges	393
<i>Raffaele Dell'Aversana</i>	
Decision Making under Uncertainty: A Methodological Note	399
<i>Assia Liberatore</i>	
Shaping an Inductive Macroeconomics: The Heritage of Hyman Minsky . . .	407
<i>Marcello Silvestri</i>	
Author Index	415