

PAAMS 13

Practical Applications
of Agents and Multi-Agent Systems



PROGRAMME



@USALConference

Organizers



VNIVERSIDAD
D SALAMANCA
CAMPUS OF INTERNATIONAL EXCELLENCE

Sponsors



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SOCIAL EVENTS & LUNCHES



Alameda Palace

Paseo de la Estación, 1,

Berlin Theatre Bar

Calle de la Correhuela, 9,

Cafe Torero Bar

Plaza del Corriolo, 19

Palacio Anaya

Plaza Anaya S/N

Wednesday - 21:30h - Palacio Anaya
Reception dinner

Wednesday - 23:30h - Berlin Theatre
We are pleased to invite you to enjoy a concert at Fashion Pub at Salamanca, Berlin Theatre Pub at 23:30h.

Thursday - 9:00h - Salamanca Tour

The meeting point for the guided visit will be the principal entrance of the "Palacio de Congresos" (Venue).

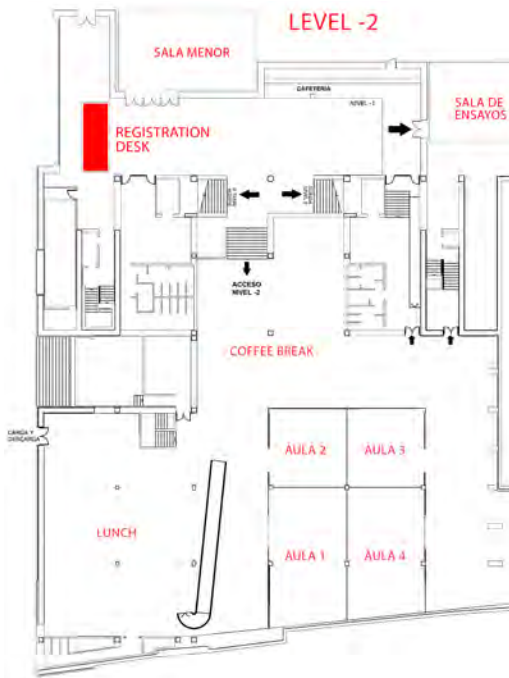
Thursday - 21:30 h - Alameda Palace
Gala dinner

Thursday - 24:00h - Torero Café Bar

We are pleased to invite you to Fashion Pub Café Torero Bar at 24:00h. Required Conferences ID.

Lunches of Wednesday, Thursday and Friday takes place in Palacio de Congresos at 13:30h

CONGRESS HALL - PALACIO DE CONGRESOS



MAPS AND VENUE



[1] **GRAN HOTEL CORONA SOL******
Victor Garcia De La Concha
37007 Salamanca
Phone: (+34) 923 28 16 16

[2] **AC Palacio de San Esteban******
Arroyo de Santo Domingo, 3
37008 Salamanca
Phone: (+34) 923 26 22 96

[3] **PETIT PALACE LAS TORRES*****
Plaza Mayor, 26
37002 Salamanca
Phone: (+34) 902 28 36 86

[4] **MICROTEL*****
Calle de los Placentinos, 9
37008 Salamanca
Phone: (+34) 923 281 531

[5] **HALL 88 APARTAHOTEL******
Calle Peña De Francia S/n
37007 Salamanca
Phone: (+34) 923 28 01 88

[6] **SILKEN RONA DALBA*****
Plaza San Juan Bautista, 12
37002 Salamanca
Phone: (+34) 923 263 232

[7] **COLEGIO FONSECA*****
C/ de Fonseca, 4
37002 Salamanca
Phone: (+34) 923 294 570

[8] **EUROSTARS Las Claras******
C/ de la Marquesa de Almarza, s/n
37001 Salamanca
Phone: (+34) 923 12 85 00

[0] **VENUE**
PALACIO DE CONGRESOS
Cuesta de Oviedo, 0,
37008 Salamanca
Phone: (+34) 923 26 51 51

CHAIRMAN OF LOCAL ORGANIZING COMMITTEE

Juan Manuel Corchado Rodríguez
Bioinformatic, Intelligent Systems and Educational Technology
(BISITE)

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EMERGENCY NUMBERS

Emergency:	112
Ambulance:	923 22 22 22
National Police:	091
City Police:	092 or 923 27 91 38
Civil Guard:	923 12 72 00
Police Station:	923 12 77 00
Fire:	923 23 20 80

WI-FI Connection

In your accreditation you can find the user and password for the wi-fi connection inside the Conference Venue.

The name of wi-fi network is:
PalacioCongresos

Once you are connected you have to fill the following form with you user and password:

General SCHEDULE

Date	Wed. 22					Thur. 23					Fri. 24				
ROOM	Sala Menor	Aula 2	Aula3	Sala de ensayos	Aula 1	Aula 4	Aula 0	Sala Menor	Aula 2	Aula3	Sala de ensayos	Aula 1	Aula 4	Aula 0	Aula 0
	Registration (starting at 09:00)					Guided Visit (09:00-10:30)									
10:00-10:30	Opening (10:15) - Sala Menor					Coffee break					Coffee break				
10:30-11:30	Invited Talk Sala Menor					Invited Talk Sala Menor					Invited Talk Sala Menor				
11:30-13:30	PAAMS 1	MASSES	AAA + SEA ABAM	DCAI	ISAMI	ebTEL	PAAMS 4	AATMO	COREMAS + TIMMAS ICP + BIOMAS	DCAI	DCAI	iTEL	PRESS CONFERENCE ISIMS	PAAMS 7	A-HEALTH AM DCAI
13:30-15:30	Sitting Lunch					Sitting Lunch					Sitting Lunch				
15:30-17:30	PAAMS 2	MASSES	WebMARES	DCAI	DCAI	ISAMI	ebTEL	PAAMS 5	CONTEXTS	MASMAI	DCAI	ISAMI	PACBB	ISIMS	
17:30-18:00	Coffee break + Demo Session					Coffee break + Demo Session					Coffee break + Demo Session				
18:00-19:00	Invited Talk Sala Menor					Invited Talk Sala Menor					Invited Talk Sala Menor				
19:00-21:00	PAAMS 3	AMSC	COREDEMA	DCAI	DCAI	ISAMI	PACBB	PAAMS 6	CONTEXTS	MASLE	DCAI	ISAMI	PACBB	ISIMS	

PAAMS 2013 Sessions

PAAMS - Main track

PAAMS 1 - Crowds Modelling and Analysis

WEDNESDAY 22 MAY, 2013 (11:30-13:30) - **Sala menor**

Chair: Jaroslaw Kozlak - Uni. of Science and Tech. in Krakow (Poland)

Agent Perception Modeling for Movement in Crowds - Kaytoun Farrahi, Kashif Zia, Alexei Sharpanskykh, Alois Ferscha and Lev Muchnik. (Short+Demo: 25mn)

MakkSim: MAS-based Crowd Simulations for Designer's Decision Support - Luca Crociani, Lorenza Manenti and Giuseppe Vizzari. (Short+Demo: 25mn)

Multi-Agent Systems Platform for Mobile Robots Collision Avoidance - Angel Soriano, Enrique J Bernabeu, Angel Valera and Marina Vallés (Demo: 20mn)

IMOSHION: a simulation framework using virtual intelligent agents for workplace evacuation in case of emergency situation - Stéphane Maruejols and Caroline Chopinaud (Demo: 20mn)

An agent-based analyses of F-formations - Kavin Preethi Narasimhan and Graham White. (Full: 30mn)

PAAMS 2 - (Multi-)Agent Design Technology

WEDNESDAY 22 MAY, 2013 (15:30-17:30) - **Sala menor**

Chair: Philippe Mathieu - University of Lille (France)

How to Build the Best Macroscopic Description of your Multi-agent System? - Robin Lamarche-Perrin, Yves Demazeau and Jean-Marc Vincent. (Full+Demo: 35mn)

Decentralized intelligent real world embedded systems : a tool to tune design and deployment - Jean-Paul Jamont, Michel Occhetto and Eduardo Mendes. (Full+Demo: 35mn)

A Brownian Agent Model for Analyzing Changes in Product Space Structure in China - Bin Jiang, Chao Yang and Takao Terano (Demo: 20mn)

Reverse Engineering of Multi-Agent Systems - Ricardo Perez-Castillo, Juan Pavón, Jorge J. Gómez-Sanz and Mario Piattini. (Full: 30mn)

PAAMS 3 - Simulation and Organization

WEDNESDAY 22 MAY, 2013 (19:00-21:00) - **Sala menor**

Chair: Rainer Unland - University of Duisburg-Essen, ICB

A Security Response Approach based on the Deployment of Mobile Agents - Roberto Magán Carrión, José Camacho Pérez and Pedro García Teodoro. (Full+Demo: 35mn)

Demonstration of the Multi-Agent Simulator of Competitive Electricity Markets - Tiago Pinto, Isabel Praça, Gabriel Santos and Zita Vale. (Demo: 20mn)

GAMA: a spatially explicit, multi-level, agent-based modeling and simulation platform - Alexis Drogoul, Edouard Amouroux, Philippe Caillou, Benoit Gaudou, Arnaud Grignard... (Demo: 20mn)

Dynamic organisation of the household activities for power management simulation - Edouard Amouroux and François Sempé. (Full: 30mn)

PAAMS 4 - Interaction with Artificial Agents

THURSDAY 23 MAY, 2013 (11:30-13:30) - **Sala menor**

Chair: Jorge Gomez-Sanz - University Computense de Madrid (Spain)

ArgCBR-CallCentre: A Call Centre based on CBR Argumentative Agents - Jaume Jordán, Stella Heras, Soledad Valero and Vicente Julian (Demo: 20mn)

Automatic Deployment of a Consensus Networks MAS - Y. Gómez, A. Palomares, C. Carrascosa and M. Rebollo (Demo: 20mn)

The Galaxian Project: A 3D Interaction-Based Animation Engine - Philippe Mathieu and Sebastien Picault (Demo: 20mn)

Automated Conflict Resolution - Nico Rotstein, Pietro Marinelli and Sindhu Joseph. (Demo: 20mn)

Modeling dependence networks for agent based simulation of online and offline communities - Francesca Marzo, Stefano Za and Paolo Spagnoletti. (Short: 20mn)

Empirical Specification of Dialogue Games for an Interactive Agent - Guillaume Dubuisson Duplessis, Nathalie Chaignaud, Jean-Philippe Kotowicz, ... (Short: 20mn)

PAAMS 5 - Decision Making and Discovery

THURSDAY 23 MAY, 2013 (15:30-17:30) - **Sala menor**

Chair: Vicente Julian - Polytechnic University of Valencia (Spain)

Multi-layered Satisficing Decision-Making in Oil and Gas Production Systems - Lars Lindegaard Mikkelsen, Yves Demazeau and Bo Noerregaard Joergensen. (Full+Demo: 35mn)

SerenA: A multi-site pervasive agent environment that supports serendipitous discovery in research - Jamie Forth, Geraint Wiggins, Robert Stewart, Diana Bental, Ruth Aylett, ... (Full+Demo: 35mn)

Preventing Elderly from Falls: The Agent Perspective in EPRs - Sebastian Ahrndt and Johannes Fähndrich. (Short+Demo: 25mn)

Towards a Multi-Avatar Macroeconomic System - Gianfranco Giulioni, Edgardo Bucciarelli, Marcello Silvestri and Paola D'Orazio. (Short: 20mn)

PAAMS 6 - Mobility, Ubiquity and Clouds

THURSDAY 23 MAY, 2013 (19:00-21:00) - **Sala menor**

Chair: Sascha Ossowski - University Rey Juan Carlos (Spain)

Self-organizing MAS by dynamic filtering of useless data: evaluation in the ambient domain - Valérian Guivarch, Valérie Camps, André Péninou and Simon Stucker. (Full: 30mn)

A multiagent system for resource distribution into a Cloud Computing environment - Fernando De La Prieta, Sara Rodríguez, Javier Bajo and Juan Corchado. (Full: 30mn)

X-CAMPUS: a proactive agent for ubiquitous services - Hajer Sassi and José Rouillard. (Short: 20mn)

ARMAN: Agent-based Reputation for Mobile Ad hoc Networks - Guy Guemkam, Djamel Khadraoui, Benjamin Gâteau and Zahia Guessoum. (Full: 30mn)

PAAMS 7 - Agents for Real World Problems

FRIDAY 24 MAY, 2013 (11:30-13:30) - **Sala menor**

Chair: Javier Carbo - University Carlos III of Madrid

(Spain)

From Real Purchase to Realistic Populations of Simulated Customers - Philippe Mathieu and Sebastien Picault. (Full: 30mn)

Multi-agent models for transportation problems with different strategies of environment information propagation - Jaroslaw Kozlak, Sebastian Pisarski and Malgorzata Zabinska. (Full: 30mn)

Improving classifier agents with order books information - Philippe Mathieu and Matthias Gaciarz. (Full: 30mn)

MAS-BPM: Multi-Agent System Bomber Problem Model - Zina Elguedria and Boutheina Jlifi. (Short: 20mn)

PAAMS - Demos

In addition to the short presentations of demos during sessions, demos should be demonstrated during the one of two afternoon breaks.

WEDNESDAY 22 MAY, 2013 (17:30-18:00)

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SerenA: A multi-site pervasive agent environment that supports serendipitous discovery in research - Jamie Forth, Geraint Wiggins, Robert Stewart, Diana Bental, Ruth Aylett, ...

Preventing Elderly from Falls: The Agent Perspective in EPRs - Sebastian Ahrndt and Johannes Fährdrich.

Special Sessions**SS1-AAA (Assessing Agent Applications) and SS8-SEA (Self-Explaining Agents)**

Chair: Johannes Fährdrich

WEDNESDAY 22 MAY, 2013 (11:30-12:30) - Aula 3

Towards Self-Explaining Agents - Johannes Fährdrich, Sebastian Ahrndt, and Sahin Albayrak

Semi-Automated Generation of Semantic Service Descriptions - Nils Masuch, Philipp Brock and Sahin Albayrak

Patience in group decision-making with emotional agents - Denis Mušić

SS2-ABAM (Agents Behaviours and Artificial Markets)

WEDNESDAY 22 MAY, 2013 (12:30-13:30) - Aula 3

Chair: Philippe Mathieu

A stylized software model to explore the free market equality/efficiency tradeoff - Hugues Bersini and Nicolas van Zeebroeck

Towards a dynamic negotiation mechanism for QoS-aware service markets - Claudia Di Napoli, Paolo Pisa and Silvia Rossi

SS11-WebMIRes (Web Mining and Recommender systems)

WEDNESDAY 22 MAY, 2013 (15:30-17:30) - Aula 3

Chair: María Moreno and Longbing Cao

Analysis of Web Usage Data for Clustering Based Recommender System - Shafiq Alam, Gillian Dobbie, Patricia Riddle, and Yun Sing Koh

Multi-label classification for recommender systems - Dolly Carrillo, Vivian F. López and María N. Moreno

If it's on web it's yours! - Abdul Mateen Rajput

User assistance tool for a WebService ERP - Israel Carlos Rebollo and Manuel Grana

TV-SeriesRec: A recommender system based on fuzzy associative classification and semantic information - Diego Sánchez, Ana Belén Gil and María N. Moreno

SS6-COREMAS (COoperative and RE-configurable Multi-Agent System for Industrial Environments) + SS7-TIN-MAS (Trust, Incentives and Norms in open Multi-Agent Systems)

THURSDAY 23 MAY, 2013 (11:30-12:30) - Aula 3

Chair: Emmanuel Adam

Dynamically Maintaining Standards using Incentives - Ramon Hermoso and Henrique Lopes Cardoso

Self-organizing Prediction in Smart Grids through

Delegate Multi-agent Systems - Leo Rutten and Paul Valckenaers

Holonic Recursiveness with Multi-Agent System Technologies - Sonia Suárez, Paulo Leitao and Emmanuel Adam

SS4-ICP (Intelligent components producing and consuming knowledge and data) + SS5-BioMAS (Bio-Inspired and Multi-Agents Systems: Applications to Language)
THURSDAY 23 MAY, 2013 (12:30-13:30) - Aula 3

Chair: Mari Carmen Suárez

Adding sense to patent ontologies: A representation of concepts and reasoning - Maria Bermudez-Edo, Manuel Noguera, Nuria Hurtado-Torres, Maria Visitación Hurtado and Jose Luis Garrido

Representation of Clinical Practice Guideline Components in OWL - Tiago Oliveira, Paulo Novais and Jose Neves

SS7-MASMAI (Multi-Agent Systems for Safety and Security)

THURSDAY 23 MAY, 2013 (15:30-17:30) - Aula 3

Chair: Antonio Fernández-Caballero and Elena Navarro

Intelligent Energy Management System for the Optimization of Power Consumption - Vicente Botón-Fernández, Máximo Pérez Romero, Adolfo Lozano-Tello and Enrique Romero Cadaval

Find It - An Assistant Home Agent - Ângelo Costa, Ester Martínez-Martin, Angel P. Del Pobil, Ricardo Simoes and Paulo Novais

Efficient People Counting from Indoor Overhead Video Camera - Juan Serrano-Cuerda, José Carlos Castillo, Marina V. Sokolova and Antonio Fernández-Caballero

Modeling Intelligent Agents to Integrate a Patient Monitoring System - Gabriel Pontes, Carlos Filipe Portela, Rui Rodrigues, Manuel Filipe Santos, José Neves, António Abelha and José Machado

SS3-AM (Agents and Mobility)

FRIDAY 24 MAY, 2013 (11:30-13:30) - Aula 3

Chair: Andrew Campbell and Javier Bajo

D3S - A Distributed Storage Service - Rui Lopes and Pedro Sernadela

Evaluation of the color-based image segmentation capabilities of a compact mobile robot agent based on Google Android Smartphone - Dani Martínez, Javier Moreno, Davinia Font, Marcel Tresanchez, Tomàs Pallèja, Mercè Teixidó and Jordi Palacin

Distributed and Specialized Agent Communities - Jesús Ángel Román, Sara Rodríguez and Juan Manuel Corchado

The gateway protocol based on FIPA-ACL for the new agent platform PANGEA - Alejandro Sánchez, Gabriel Villarrubia, Carolina Zato, Sara Rodríguez and Pablo Chamoso

Applying classifiers in indoor location system - Gabriel Villarrubia, Francisco Rubio, Juan F. De Paz, Javier Bajo and Carolina Zato

Geo-localization System for People with Cognitive Disabilities - João Ramos, Ricardo Anacleto, Paulo Novais, Lino Figueiredo, Ana Almeida and José Neves

Workshops

MASSES (Workshop on Multi-agent based Applications for Sustainable Energy Systems)

WEDNESDAY 22 MAY, 2013 (11:30-13:30) - Aula 2

Chair: Rainer Unland

Social Control of Power System Demand Based on Local Collaborative Preferences (Invited talk) - Michael N. Huhns

Agent-Based Applications for the Smart Grid: A Playground for Agreement Technologies - Sascha Ossowski and Matteo Vasilari

An Agent-Based Approach for Efficient Energy Management in the Context of Smart Houses - Dima El Nabouch, Natalie Matta, Rana Rahim-Amoud, and Leila Merghem-Boulahia

WEDNESDAY 22 MAY, 2013 (15:30-17:30) - Aula 2

Chair: Rainer Unland

Practical Applications of Virtual Organizations and Agent Technology (Invited talk) - Juan M. Corchado, Gabriel Villarrubia, Juan F. De Paz, Sara Rodríguez, Carolina Zato, Fernando de la Prieta, and Javier Bajo

Agent-Based Impact Analysis of Electric Vehicles on a Rural Medium Voltage Distribution Network Using Traffic Survey Data - Matthias Stifter, Stefan Ubermasser, and Sawzan Hencin

Simulating the Impacts of the Energy Consumption Using Multi-agent Systems - Fernanda P. Mota, Gra, caliz Pereira Dimuro, Wagner Rosa, and Silvia S. da C. Botelho

An Agent-Based Middleware for Cooperating Smart Objects - Giancarlo Fortino, Antonio Guerrieri, Michelangelo Lacopo, Matteo Lucia, and Wilma Russo

AMSC (Workshop on Agent-Based Solutions for Manufacturing and Supply Chain)

WEDNESDAY 22 MAY, 2013 (19:00-21:00) - Aula 2

Chair: Pawel Pawlewski

G. Bociewicz, P. Nielsen, Z. Banaszak, and Q.V. Dang - Multimodal Processes Cyclic Steady States Scheduling

Paul-Eric Dossou, Philip Mitchell, and Pawel Pawlewski - Using Multi-agent Systems for Developing an Enterprise Modeling Aided Tool

J. Lemos Nabais, Rudy R. Negenborn, R.B. Carmona Benitez, Luis F. Mendonça, Joao Lourenço, and M. Ayala Botto - A Multi-agent Control Architecture for Supply Chains Using a Predictive Pull-Flow Perspective

Pawel Pawlewski - Situated MAS Approach for Freight Trains Assembly

Quang-Vinh Dang and Izabela Nielsen - Simultaneous Scheduling of Machines and Mobile Robots

COREDEMA (Workshop on Conflict Resolution in Decision Making)

WEDNESDAY 22 MAY, 2013 (19:00-21:00) - Aula 3

Chair: Vicente Julián

Juan M. Alberola, Vicente Julián, and Ana García-Fornes - A Self-configurable Agent-Based System for Intelligent Storage in Smart Grid

E. del Val, M. Rebollo, and V. Botti - Strategies for Cooper-

ation Emergence in Distributed Service Discovery
 Pierpaolo Dondio - Probabilistic Argumentation Frameworks: Basic Properties and Computation
 Sergio Esparcia, Victor Sánchez-Anguix, and Reyhan Aydogan - A Negotiation Approach for Energy-Aware Room Allocation Systems
 Pablo G. Esteban and David R'ios Insua - Designing Autonomous Social Agents under the Adversarial Risk Analysis Framework
 Marco Gomes, Tiago Oliveira, Davide Carneiro, Paulo Novais, and José Neves - Extracting Behavioural Patterns from a Negotiation Game

AATMO (Workshop on Agent-based Approaches for the Transportation Modeling and Optimization)

THURSDAY 23 MAY, 2013 (11:30-13:30) - Aula 2

Chair: Jaroslav Kozlak

C. David Emele, Nir Oren, Cheng Zeng, Steve Wright, Nagendra Velaga, John Nelson, Timothy J. Norman, and John Farrington - Agent-Driven Variable Pricing in Flexible Rural Transport Services
 Bin Jiang, Xiao Xu, Chao Yang, Renfa Li, and Takao Terano - Solving Road-Network Congestion Problems by A Multi-objective
 Maksims Fiosins, Jorg P. Muller, and Michaela Huhn - Optimization Algorithm with Brownian Agent Model A Norm-Based Probabilistic Decision-Making Model for Autonomic Traffic Networks
 Mohamed Tlig, Olivier Buffet, and Olivier Simonin - Reactive Coordination Rules for Traffic Optimization in Road Sharing Problems

CONTEXTS (Workshop on User-Centric Technologies and Applications)

THURSDAY 23 MAY, 2013 (15:30-17:30) - Aula 2

Chair: José M. Molina

María Jesús Algar, Iván González, Lorena Lozano, and Felipe Cátedra - Characterization of the Radio Propagation Channel in a Real Scenario
 María Jesús Algar, Iván González, Lorena Lozano, María Fernández, Gabriel Caballero, and Felipe Cátedra - Dynamic Propagation Analysis in Urban Environments
 Gonzalo Blázquez Gil, Antonio Berlanga de Jesús, and José M. Molina López - Combining Machine Learning Techniques and Natural Language Processing to Infer Emotions Using Spanish Twitter Corpus
 Javier Carbo, Nayat Sanchez-Pi, David Griol, and Jose M. Molina - Comparing Agent Interactions of Distributed and Centralized Multi-Agent Systems for Context-Aware Domains
 Hernani Costa, Barbara Furtado, Durval Pires, Luis Macedo, and Amílcar Cardoso - Recommending POIs Based on the User's Context and Intentions
 Hernani Costa and Luis Macedo - Emotion-Based Recommender System for Overcoming the Problem of Information Overload

THURSDAY 23 MAY, 2013 (19:00-21:00) - Aula 2

Chair: Jesús García

David Gómez, Ana M. Bernardos, Javier I. Portillo, Paula Tarrío, and José R. Casar - A Review on Mobile Appli-

cations for Citizen Emergency Management
 David Gómez, Paula Tarrío, Juan Li, Ana M. Bernardos, and José R. Casar - Indoor Augmented Reality Based on Ultrasound Localization Systems
 Ram P. Krish, Julian Fierrez, Javier Galbally, and Marcos Martínez-Díaz - Dynamic Signature Verification on Smart Phones
 Pedro Tome, Ruben Vera-Rodríguez, and Julian Fierrez - Analysing Facial Regions for Face Recognition Using Forensic Protocols
 Ruben Vera-Rodríguez, S. Gabriel-Sanz, Julian Fierrez, Pedro Tome, and J. Ortega-García - Analysis of Gait Recognition on Constrained Scenarios with Limited Data Information

MASLE (Workshop on Multi-Agent System Based Learning Environments)

THURSDAY 23 MAY, 2013 (19:00-21:00) - Aula 3

Chair: Ricardo Silveira

Cecilia E. Giuffra P., Ricardo Azambuja Silveira, and Marina Keiko Nakayama - An Intelligent Tutoring Systems Integrated with Learning Management Systems
 Ronaldo Lima Rocha Campos, Rafaela Lunardi Comarella, and Ricardo Azambuja Silveira - Multiagent Based Recommendation System Model for Indexing and Retrieving Learning Objects
 Tiago Thompsen Primo, André Behr, and Rosa Maria Vicari - A Semantic Web Approach to Recommend Learning Objects
 Valentina Tabares, Néstor Duque, Demetrio Ovalle, Paula Rodríguez, and Julián Moreno - Learning Objects Repository Management Using an Adaptive Quality Evaluation Multi-Agent System
 Alejandro Valencia, Oscar Salazar, and Demetrio Ovalle - Improving the Entrepreneur's Market Research Strategies Learning Process Using the MaREMAS Environment

A-HEALTH (Workshop on Agents and multi-agent Systems for AAL and e-HEALTH)

FRIDAY 24 MAY, 2013 (11:30-13:30) - Aula 2

Chair: Ricardo Silveira

Ricardo S. Alonso, Dante I. Tapia, Gabriel Villarrubia, and Juan F. De Paz - Agent Technology and Wireless Sensor Networks for Monitoring Patients in Residences and Their Homes
 Santiago Álvarez, Oscar Salazar, and Demetrio Ovalle - User-Centered Ubiquitous Multi-Agent Model for e-Health Web-Based Recommender Applications Development
 Millán Arroyo, Lucila Finkel, and Jorge J. Gomez-Sanz - Requirements for an Intelligent Ambient Assisted Living Application for Parkinson Patients
 Raul Igual, Carlos Medrano, Lourdes Martin, and Inmaculada Plaza - Mobile Phone-Based Fall Detectors: Ready for Real-World Scenarios?
 Iván García-Magariño - Defining and Transforming Models of Parkinson Patients in the Development of Assisted-Living Multi-agent Systems with INGENIAS

IS-MiS 2013 Sessions

IS-MiS 1

THURSDAY 23, 2013, (12.30-13.30) - Room 0.

Chair: Giovanni De Gasperis - University of LAquila (Italy)

Amine Chemchem and Habiba Drias - Multilevel Clustering on Very Large Scale of Web Data

Benamer Ziani, Ahmed Benmlouka and Youcef Ouinten - Improving Index Selection Accuracy for Star Join Queries Processing: An Association Rules Based Approach

Charalampos Saridakis, Stelios Tsafarakis, George Baltas and Nikolaos Matsatsinis - Advances in market segmentation through nature-inspired intelligence methods: An empirical evaluation

IS-MiS 2

THURSDAY 23, 2013 (16.30-17.30) - Room 0.

Chair: Charalampos Saridakis - Leeds University (UK)

Paula Odete Fernandes, João Paulo Teixeira, João Ferreira and Susana Azevedo - Training Neural Networks by Resilient Backpropagation Algorithm for Tourism Forecasting

R. Alejo, V. García, A. I. Marqués, J. S. Sánchez and J. A. Antonio-Velázquez - Making Accurate Credit Risk Predictions with Cost-Sensitive MLP Neural Networks

Jelena Fiosina, Maksims Fiosins and Jörg P. Müller - Mining the Traffic Cloud: Data Analysis and Optimization Strategies for Cloud-Based Cooperative Mobility Management

IS-MiS 3

THURSDAY 23, 2013 (19.00-20.00) - Room 0.

Chair: José Salvador Sánchez Garreta - Universitat Jaume I (Spain)

Stefania Costantini and Giovanni De Gasperis - Memory, Experience and Adaptation in Logical Agents

Laia Subirats, Luigi Ceccaroni, Cristina Gómez-Pérez, Ruth Caballero, Raquel Lopez-Blazquez and Felip Miralles - On semantic, rule-based reasoning in the management of functional rehabilitation processes

Gianfranco Giulioni, Edgardo Bucciarelli, Marcello Silvestri and Paola D'Orazio - A Web-based Software Model to Investigate Entrepreneurial Management

ebTEL 2013 Sessions

ebTEL - Session 1

WEDNESDAY 22 MAY, 2013 (11.30-13.30) - Room 4

TEL case studies (11.45-12.15)

Chair: Rosella Gennari - Free University of Bozen - Bolzano

Di Giacomo D., Palmiero M., Passafiume D. - Technology and Elaboration of information in Aging: preliminary data of verbal vs visual performance (15 minutes)

Maria Cinque and Maria Bortoluzzi - Promoting Digital Skills and Critical Awareness through Online Search and Personal Knowledge Management: A Case Study (15 minutes)

Evidence-based design in TEL (12.15-13.15)

Chair: Maria Cinque - Università degli Studi di Udine

Alessandra Melonio and Rosella Gennari - How to Design Games for Deaf Children: Evidence-based Guideline

Luigi Romano - How to get a good job and improve your career - with a PLE (20 minutes)

Diego Dominguez, Deibi López and Jesús Gonzalo - Use of Flight Simulators in a Flight Mechanics Course: Potentials and Weaknesses

ebTEL - Session 2

WEDNESDAY 22 MAY, 2013 (15.30-17.30) - Room 4

Smart Games in the TERENCE Project (15.30-16.15)

Chair: Chair: Fernando De la Prieta - University of Salamanca

Fernando De La Prieta, Tania Di Mascio, Ivana Marenzi and Pierpaolo Vittorini - Pedagogy-driven Smart Games for Primary School Children

Vincenza Cofini, Tania Di Mascio, Rosella Gennari and Pierpaolo Vittorini - The TERENCE smart games revision guidelines and software tool (10 minutes)

Vincenza Cofini, Rosella Gennari and Pierpaolo Vittorini - The manual revision of the TERENCE Italian smart games (10 minutes)

Maria Rosita Cecilia, Tania Di Mascio and Alessandra Melonio - The 1st Release of the TERENCE Learner GUI: the User-based Usability Evaluation (10 minutes)

Evidence-based TEL tools (16.15-17.25)

Chair: Besim Mustafa

Gianfranco Giulioni, Edgardo Bucciarelli, Marcello Silvestri and Paola D'Orazio - Learning to be an Entrepreneur: Evidence From a Technology Enhanced Learning tool

Óscar García, Ricardo S. Alonso, Dante Tapia and Juan Corchado - Supporting context-aware collaborative learning activities by CAFCLA

Emiliana Pizarro Lucas, Juan Cruz Benito and Oscar Gil Gonzalo - USALSIM: Learning and Professional Practicing in a 3D Virtual World

Besim Mustafa - Simulation Still Rules: Modern Computer Systems Architecture Visualized and Laid Bare
Arto Vihavainen, Matti Luukkainen and Martin Pärtel - Test My Code: an Automatic Assessment Service for the Extreme Apprenticeship Method (14 minutes)

DCAI 2013 Sessions

DCAI 1 – MAS (Multi-agent System) I

WEDNESDAY 22 MAY, 2013 (11:30-13:30) - Sala de ensayos

Chair: José Luis Poza Luján - Universidad Politécnica de Valencia (Spain)

Omar Rihawi, Yann Secq and Philippe Mathieu - Synchronization policies impact in distributed agent-based simulations

Jose A. Maestro-Prieto, Ma Aránzazu Simón-Hurtado, Juan F. de-Paz-Santana, Gabriel Villarrubia-González" - A MAS for teaching Computational Logic

Worawan Marungsith and Yanyong Mongkolsin - Creating - GPU-enabled agent-based simulations using a PDES tool

Eiman Saleh, Maha Zabata and Omar Sallabi - DPS: Overview of Design Pattern Selection Based on MAS Technology

Nuno Magessi and Luis Antunes - Modeling of Agent's Risk Perception

Alejandro Sanchez, Carolina Zato, Gabriel Villarrubia, Javier Bajo and Juan Francisco De Paz - "An integral system based on open organization of agents for improving the labour inclusion of disabled people"

Jaber Kouki, Walid Chainbi, and Khaled Ghedira - QoS Synchronization of Web Services: A Multi Agent-Based Model

DCAI 2 – Bioinformatics, Biomedical Systems,e-health, Ambient Assisting Living

WEDNESDAY 22 MAY, 2013 (11:30-13:30) - Room 1

Chair: Sara Rodríguez - Universidad de Salamanca (Spain)

Xiomara Patricia Blanco Valencia, Sara Rodríguez, Juan M. Corchado and Carolina Zato - Case-based reasoning applied to medical diagnosis and treatment

João Fernandes, João Laranjeira, Paulo Novais, Goreti Marreiros and José Neves - A context aware architecture to support people with partial visual impairments

João Ferreira, Rafaela Rosário, Ângelo Costa and Paulo Novais - Monitoring Weight and Physical Activity using an AmI setting

Nadia Alam, Munira Sultana, M.S. Alam, M A Al-Mamun, M A Hossain - Periodic Chemotherapy Dose Schedule Optimization Using Genetic Algorithm

Silvia González, José R. Villar, Javier Sedano, and Camelia Chira - A preliminary study on early diagnosis of illnesses based on activity disturbances

Rafael Pereira and Rui Mendes - Current trends in bio-ontologies and data integration

Sérgio Matos, Hugo Araújo and José Luís Oliveira - Structuring and Exploring the Biomedical Literature Using Latent Semantics

DCAI 3 – MAS (Multi-agent System) II

WEDNESDAY 22 MAY, 2013 (15:30-17:30) - Sala de ensayos

Chair: Javier Bajo Pérez - Universidad Politécnica de Madrid (Spain)

Friederike Wall - Comparing Basic Design Options for Management Accounting Systems with an Agent-Based Simulation

Moamin A. Mahmoud, Aida Mustapha, Mohd Shariffuddin Ahmad, Azhana Ahmad, Mohd Zaliman M. Yusoff, Nurzeatul Hamimah Abdul Hamid - Potential Norms Detection in Social Agent Societies

Egona Lavendelis - Multi-Agent Architecture for Intelligent Insurance Systems

Bruno Veloso Luís Sousa and Benedita Malheiro - Personalised Advertising Supported by Agents

Artur M. eski, Bozena Wozna-Szczesniak, Agnieszka M. Zbrzezny, and Andrzej Zbrzezny - Two Approaches to Bounded Model Checking for a Soft Real-Time Epistemic Computation Tree Logic

Rula Al-Azawi, Aladdin Ayes, Khalfan Abdullah AL-Masruri, and Ian Kenny - Towards an AOSE: Game Development Methodology

DCAI 4- Distributed Computing, Grid Computing, Cloud Computing

WEDNESDAY 22 MAY, 2013 (15:30-17:30) - Room 1

Chair: Daniel González Peña - Universidad de Vigo (Spain)

Miguel Ángel Rodríguez-García, Rafael Valencia-García, Francisco García-Sánchez, Jose Javier Samper-Zapater and Isidoro Gil-Leiva - Semantic annotation and retrieval of services in the Cloud.

Yesnier Bravo, Gabriel Luque and Enrique Alba - Migrants Selection and Replacement in Distributed Evolutionary Algorithms for Dynamic Optimization

José-Luis Poza-Luján, Juan-Luis Posadas-Yagüe and José-Enrique Simó-Ten - Event Management Proposal for Distribution Data Service Standard

Roberto González Ramos, Daniel Hernández Alfageme Fernando De La Prieta and Ana Belén Gil González - +Cloud: An agent-based Cloud Computing platform Amparo Jiménez, Amparo Casado, Javier Bajo Fernando De la Prieta and Juan F. De Paz - Cloud-based platform to labor integration of deaf people

Daniel Garrote-Hildebrand, José-Luis Poza-Luján, Juan-Luis Posadas-Yagüe and José-Enrique Simó-Ten - Mobile-Based Distributed System for Managing Abandoned or Lost Pets

Jelena Fiosina and Maksims Fiosins - Selecting the Shortest Itinerary in a Cloud-Based Distributed Mobility Network

DCAI 5 - Data mining, Information Extraction, Semantic, Knowledge Representation

WEDNESDAY 22 MAY, 2013 (19:00-21:00) - Sala de ensayos

Chair: Paulo Novais - Universidade do Minho (Portugal)

Piotr Cal and Michal Wozniak - Parallel Hoeffding Decision Tree for Streaming Data

Angelica Urrutia, Hector Valdes and José Galindo - Comparison of K-means and fuzzy c-means data mining algorithms for analysis of management information: an open source case

Andrzej Szwabe, Pawel Misiorek and Michal Ciesielczyk -



Representation of Propositional Data for Collaborative Filtering

Pedro Galdámez and Angélica González - Face Identification by Real-Time Connectionist System

Virgínia Nascimento, Maria João Viamonte, Alda Canito and Nuno Silva - Agent Mediated Electronic Market Enhanced with Ontology Matching Services and Emergent Social Networks

José Javier Samper Zapater, Dolores M^a Llidó Escrivá, Juan José Martínez Durá and Ramon Cirilo - Semantic Multi-Agent Architecture to Road Traffic Information Retrieval on the Web of Data.

Cesar A. Mantilla, Víctor Torres-Padrosa and Ramón Fabregat - Context- and Social-aware User Profiling for Audiovisual Recommender Systems

DCAI 6 - Artificial Intelligence Applications I

WEDNESDAY 22 MAY, 2013 (19:00-21:00) - Room 1

Chair: Fernando de la Prieta - Universidad de Salamanca (Spain)

María Navarro and Angélica González Arrieta - Automatic Prediction of Poisonous Mushrooms by Connectionist Systems

Tiago Pinto and Zita Vale - Adaptive Learning in Games: Defining Profiles of Competitor Players

Javier Calle, Leonardo Castaño, Elena Castro, Dolores Cuadra - Evaluation framework for statistical user models

Felicitas Mokom and Ziad Kobti - Suboptimal Restraint Use as an Emergent Norm via Social Influence

Roberto Amadini, Imane Sefrioui, Jacopo Mauro and Maurizio Gabbriellini - Fast Post-Disaster Emergency Vehicle Scheduling

João Laranjeira, Goreti Marreiros, João Carneiro and Paulo Novais - An emotional aware architecture to support facilitator in group idea generation process

Rubén Martínez-Vidal, Sergio Castillo-Pérez, Sergi Robles1, Adrián Sánchez-Carmona, Joan Borrell, Miguel Cordero, Antidíu Viguria, Nicolás Giuditta - Mobile-Agent Based Delay-Tolerant Network Architecture for Non-Critical Aeronautical Data Communications

DCAI 7 - Image Processing, Tracking, Robotic, Control and Industrial Systems I

THURSDAY 23 MAY, 2013 (11:30-13:30) - Sala de ensayos

Chair: Angelo Costa - Universidade do Minho (Portugal)

António Rebelo, Fábio Catalão, João Alves, Goreti Marreiros, Cesar Analide, Paulo Novais, José Neves - Simulating a Team Behaviour of Affective Agents using Robocode

Sigeru Omatu, Mitsuaki Yano and Toru Fujinaka - Odor Classification Based on Weakly Responding Sensors

Ester Martínez, Maria Teresa Escrig and Angel P. Del Po-bil - Qualitative Acceleration Model: Representation, Reasoning and Application

Naoufel Khayati and Wided Lejouad-Chaari - Agent and Knowledge Models for a Distributed Imaging System

William Raveane and María Angélica González Arrieta - Texture Classification with Neural Networks

Sergio Moreno, Manuel G. Bedia, Francisco J. Serón, Luis

F. Castillo and Gustavo Isaza - Associative learning for enhancing autonomous bots in videogame design

Angel Soriano, Enrique J Bernabeu, Angel Valera and Marina Vallés - Collision Avoidance of Mobile Robots using Multi-Agent Systems

DCAI 8 - Artificial Intelligence Applications II

THURSDAY 23 MAY, 2013 (11:30-13:30) - Room 1

Chair: Carlos Carrascosa - Universidad Politécnica de Valencia (Spain)

Maksims Fiosins - Stochastic Decentralized Routing of Unsplittable Vehicle Flows using Constraint Optimization

Maria De Lourdes Margain, Guadalupe Obdulia Gutierrez, Begoña García, Amaia Méndez, Alberto Ochoa, Alejandro de Luna and Gabriela Hernández - Ubiquitous computing to lower domestic violence rate based on emotional support social network (Redsiam).

Natalia Díaz Rodríguez, Johan Lilius, Manuel Pegalajar Cuéllar and Miguel Delgado Calvo-Flores - Extending Semantic Web tools for improving Smart Spaces interoperability and usability

Natalia Kubiak and Agnieszka Stachowiak - Framework of optimization methodology with use of an intelligent hybrid transport management system based on Hopfield Network and Travelling Salesman Problem

Taras Agryzkov, Jose L. Oliver, Leandro Tortosa and Jose F. Vicent - A model to visualize information in a complex streets' network.

Fernando Maldonado, Alberto Ochoa, Julio Arreola, Daniel Azpeitia, Ariel De la Torre, Diego Canales and Saúl González - Intelligent Application to reduce transit accidents in a city using Cultural Algorithms

DCAI 9 - Image Processing, Tracking, Robotic, Control and Industrial Systems I

THURSDAY 23 MAY, 2013 (15:30-17:30) - Sala de ensayos

Chair: Dante I. Tapia - Universidad de Salamanca (Spain)

Ichiro Satoh - Multiagent-based MapReduce Processing Ionut, Alexandru Zait, i and S, tefan-Gheorghe Pentiu - Glove-based Input for Reusing Everyday Objects as Interfaces in Smart Environments

Aleksis Liekna, Egons Lavendelis and Agris Nikitenko - Challenges in Development of Real Time Multi-Robot System Using Behaviour Based Agents

Dani Martínez, Javier Moreno, Davinia Font, Marcel Tresanchez, Tomás Pallejà, Mercè Teixidó, and Jordi Palacín - A Practical Mobile Robot Agent Implementation based on a Google Android Smartphone

Isabel Laranjo, Joel Braga, Domingos Assunção, Andreia Silva, Carla Rolanda, Luis Lopes, Jorge Correia-Pinto and Victor Alves - Web-based solution for acquisition, processing, archiving and diffusion of endoscopy studies

Pasquale Caianiello and Stefania Costantini and Giovanni De Gasperis and Niva Florio and Federico Gobbo - Application of Hybrid Agents to Smart Energy Management of a Prosumer Node

Fábio Silva, Cesar Analide, Luis Rosa, Gilberto Felgueiras and Cedric Pimenta - Social Networks Gamification for Sustainability Recommendation Systems

DCAI 10- New Algorithms I**THURSDAY 23 MAY, 2013 (19:00-21:00) - Sala de ensayos****Chair: Juan Pavón - Universidad Complutense de Madrid (Spain)**

- Heman Mohabeer and K.M.S Soyjaudah - Improving the Performance of NEAT Related Algorithm via Complexity Reduction in Search Space.
- Vladimír Špitálský and Marian Grendar - OPTICS-based clustering of emails represented by quantitative profiles
- Ana Lucia Casademunt and Irina Georgescu - Optimal saving and prudence in a possibilistic framework
- Raúl Martínez-Moreno, Jose J. Lopez-Espin, Juan Aparicio and Jesús T. Pastor - Application of genetic algorithms to determine closest targets in Data Envelopment Analysis
- José L. Guerrero, Antonio Berlanga and José M. Molina - Multiobjective Local Search Techniques for Evolutionary Polygonal Approximation
- Mariano Raboso Mateos and Juan Antonio Cotobal Robles - GSched: An Efficient Scheduler for Hybrid CPU-GPU HPC Systems
- Vitor Pereira, Pedro Sousa, Paulo Cortez, Miguel Rio and Miguel Rocha - Robust optimization of intradomain routing using evolutionary algorithms

DCAI 11 - New Algorithms II and MAS III**FRIDAY 24 MAY, 2013 (11:30-13:30) - Sala de ensayos****Chair: Davide Carneiro - Universidade do Minho (Portugal)**

- F.J. Glez-Cabrera, J.V. Álvarez-Bravo, Fernando Díaz - Representing Motion Patterns with the Qualitative Rectilinear Projection Calculus.
- Karel Macek, Vladimír Bičík and Jiří Rojíček - "Trajectory Optimization under Changing Conditions through Evolutionary Approach and Black-Box Models with Refining"
- Kyriaki Panagidi, Kostas Kolomvatsos and Stathes Hadjiefthymiades - On the Use of PSO with Weights Adaptation in Concurrent Multi-Issue Negotiations
- Mohammad Bashir Uddin Khan, Ghada Abaza and Peter Göhner. - Towards an Adaptable Mobile Agents' Management System
- Alberto Palomares, Carlos Carrascosa, Miguel Rebollo and Yolanda Gómez - Implementing MAS Agreement Processes Based on Consensus Networks
- Fabio Marques, Gonçalo Paiva Dias and André Zúquete. - Agent-based Interoperability for e-Government
- Gabriel Santos, Tiago Pinto, Zita Vale and Hugo Morais and Isabel Paraça - Upper Ontology for Multi-Agent Energy Systems' Applications

PACBB 2013 Sessions**PACBB 1 - Tools****WEDNESDAY 22 MAY, 2013 (19:00-21:00) - Room 0****Chair: Sergio Matos**

- A Statistical Comparison of SimTandem with State-of-the-Art Peptide Identification Tools - Jiri Novak, Timo Sachsenberg, David Hoksza, Tomas Skopal and Oliver Kohlbacher.
- HaptreeBuilder: Web generation and visualization of risk haplotype trees - Dimitra Kamari, María Del Mar Abad Grau and Fuencisla Matesanz
- Speeding up Phylogenetic Model Checking - Jose Ignacio Requeno and José Manuel Colom
- Comp2ROC: R Package to Compare Two ROC Curves - Hugo Frade and Ana Cristina Braga.
- Network visualization tools to enhance metabolic engineering platforms - Alberto Noronha, Paulo Vilaça and Miguel Rocha.
- A workflow for the application of biclustering to mass spectrometry data - Hugo López-Fernández, Miguel Reboiro-Jato, Sara C. Madeira, Rubén López-Cortés, Júlio Dinis Nunes-Miranda, Hugo Miguel Santos, Florentino Fdez-Riverola and Daniel Glez-Peña.

PACBB 2 - Sequencing and microarray**THURSDAY 23 MAY, 2013 (15:30-17:30) - Room 4****Chair: Rui Camacho**

- Gene functional prediction using clustering methods for the analysis of tomato microarray data - Liliana Lopez-Kleine, Jose Romeo and Francisco Torres-Avilés.
- Analysis of word symmetries in human genomes using next-generation sequencing data - Vera Afreixo, Sara Garcia and João Rodrigues.
- A Clustering Framework Applied to DNA Microarray Data - José Antonio Castellanos Garzón and Fernando Díaz Gómez.
- Segmentation of DNA into coding and noncoding regions based on inter-STOP symbols distances - Carlos A. C. Bastos, Vera Afreixo, Sara P. Garcia and Armando J. Pinho.
- Assignment of Novel Functions to *Helicobacter pylori* 26695's genome - Tiago Resende, Daniela Correia and Isabel Rocha
- Analysing quality measures of phasing algorithms in genome-wide haplotyping - Sergio Torres Sánchez, Manuel García Sánchez, Nuria Medina Medina and María Del Mar Abad Grau.
- Search functional annotations genetic relationships of coffee through Bio2RDF - Luis M. Bertel, Gustavo Isaza, Alvaro Gaitan, Narmer Galeano and Luis F. Castillo

PACBB 3 - Analysis**THURSDAY 23 MAY, 2013 (19:00-21:00) - Room 4****Chair: Carlos Bastos**

- A Cellular Automaton Model of the Effects of Maspin on Cell Migration - Mohammad Abdullah Al-Mamun, M Alamgir Hossain, Shaful Alam and Rosemary Bass.
- Quantitative Characterization of Protein Networks of the Oral Cavity - Fernanda Correia Barbosa, Joel P. Arrais

and José Luís Oliveira.

Analysing Relevant Diseases From Iberian Tweets - Victor M. Prieto, Sergio Matos, Manuel Álvarez Díaz, Fidel CACHEDA and José Luís Oliveira.

Optimized Workflow for the healthcare logistic: Case of the Pediatric Emergency Department - Ines Ajmi, Hayfa Zgaya and Slim Hammadi.

Boosting the detection of Transposable Elements using machine learning - Rui Camacho, Tiago Loureiro, Nuno Fonseca and Jorge Vieira.

On an individual-based model for infectious disease outbreaks - Pierpaolo Vittorini and Ferdinando Di Orio.

ISAmI 2013 Sessions

ISAmI - Session 1

WEDNESDAY 22 MAY, 2013 (11:30-13:30) - Room 4
Chair: Paulo Novais

Jurriaan van Diggelen, Marc Grootjen, Emiel Ubink,

Maarten van Zomeren and Nanja Smets - Content-based Design and Implementation of Ambient Intelligence Applications

Catia Salgado, Luciana Cardoso, Pedro Gonçalves, António Abelha and José Machado - Tracking People and Equipment Simulation inside Healthcare Unit

Tomás Ruiz-López, Manuel Noguera, Rodríguez Fórtiz María José and Jose Luis Garrido - Requirements Systematization through Pattern Application in Ubiquitous Systems

María Rodríguez-Damián, Xosé Antón Vila Sobrino and Leandro RodríguezLiñares - Indoor tracking persons using bluetooth: a real experiment with different fingerprinting-based algorithms

Davide Carneiro, Paulo Novais, Fábio Catalão, José Marques, André Pimenta and Jose Neves - Dynamically Improving Collective Environments through Mood Induction Procedures

Óscar García García, Ricardo S. Alonso, Dante I. Tapia and Juan M. Corchado - CAFCLA: an AmI-based framework to design and develop context-aware collaborative learning activities

ISAmI - Session 2

WEDNESDAY 22 MAY, 2013 (15:30-17:30) - Room 4
Chair: Angelo Costa

Víctor Corcoba Magaña and Mario Muñoz Organero - AndroWI: Collaborative system for fuel saving using Android Mobile Devices

Djalila Boughareb and Nadir Farah - A Query Expansion Approach Using the Context of the Search

Raul Igual, Inmaculada Plaza, Lourdes Martín, Montserrat Corbalan and Carlos

Medrano - Guidelines to design smartphone applications for people with intellectual disability: a practical experience

Alexander Neumann and Thomas Hermann - A Verbal Interaction Measure Using Acoustic Signal Correlation for Dyadic Cooperation Support

Ricardo Anacleto, Lino Figueiredo, Ana Almeida and Paulo Novais - Server to Mobile Device Communication: A Case Study

Ángel Ruiz Zafra, Kawtar Benghazi, Manuel Noguera and José Luis Garrido - Zappa: An Open Mobile Platform to Build Cloud-based m-Health Systems

ISAmI - Session 4

WEDNESDAY 22 MAY, 2013 (19:00-21:00) - Room 4
Chair: Katharina Kinder-Kurlanda

Davide Bacciu, Claudio Gallicchio, Alessandro Lenzi,

Stefano Chessa, Alessio Micheli, Susanna Pelagatti and Claudio Vairo - Distributed Neural Computation over WSN in Ambient Intelligence

Iván Bernabé, Daniel Díaz-Sánchez and Mario

Muñoz-Organero - Optimizing OSGi Services on Gateways

Tanja Traxler, Louise Beltzung Horvath and Julia Grillmayr
- Extremely small and incredibly everywhere

Dipak Surie, Helena Lindgren and Arslan Qureshi -
Kitchen AS-A-PAL: Exploring Smart Objects as Containers, Surfaces and Actuators

Fábio Silva, Cesar Analide, Luis Rosa, Gilberto Felgueiras and Cedric Pimenta - Ambient Sensorization for the Furtherance of Sustainability

ISAmI - Session 3

THURSDAY 23 MAY, 2013 (15:30-17:30) - Room 4

Chair: Ichiro Satoh

Aida Omerovic, Anders Kofod-Petersen, Bjørnar Solhaug and Ingrid Svagård - Elicitation of Quality Characteristics for AAL Systems and Services

Roni Ram, Francesco Furfari, Michele Girolami, Gema Ibañez Sanchez, Juan Pablo Lázaro Ramos, Christopher Mayer, Barbara Prazak-Aram and Tom Zentek - universAAL: Provisioning Platform for AAL Services

Alejandro Martín Medrano Gil, Dario Salvi, Maria Teresa Arredondo Waldmayer, Patricia Abril Jimenez and Andrej Grguric - Separating the content from the presentation in AAL: the universAAL UI framework and the Swing UI Handler

Martin Peters, Christopher Brink, Sabine Sachweh and Albert Zündorf - Performance Considerations in Ontology based Ambient Intelligence Architectures

Piedad Garrido, Angel Sanchez, Francisco J. Martinez, Sandra Baldassarri, Eva Cerezo and Francisco J. Seron - Using 3D Virtual Agents to Improve the Autonomy and Quality of Life of Elderly People

Andrei-Adnan Ismail and Adina Magda Florea - Multimodal Indoor Tracking of a Single Elder in an AAL Environment

ISAmI - Session 5

THURSDAY 23 MAY, 2013 (19:00-21:00) - Room 4

Chair: Dante I. Tapia

Christina Katsimerou, Judith Redi and Ingrid Heynderickx
- Face detection in intelligent ambiences with colored illumination

Ichiro Satoh - Easy Carbon Offsetting and Trading with Ambient Technologies

Céline Ehrwein Nihan and Katharina Kinder-Kurlanda - Ethically Intelligent? A Framework for Exploring Human Resource Management Challenges of Intelligent Working Environments

Aida Mustapha, Mohd Sharifuddin Ahmad and Azhana Ahmad - Conversational Agents as Full-Pledged BDI Agents for Ambient Intelligence

Stefan Rüther, Thomas Hermann, Maik Mracek, Stefan Kopp and Jochen Steil - Supporting Workers and Quality Management in Sterilization Departments

Joaquim Teixeira, Carlos Lima, Lino Figueiredo, Goreti Marreiros and Ricardo Costa - An Intelligent System to Setup Meetings, Capture, Organize and Record Information in Smart Offices

iTEL 2013 Sessions

THURSDAY 23 MAY, 2013 (11:30-13:30) - Room 4

iTEL 1 - Learning Platforms and its applications

Chair: Javier Bajo Pérez

Keystrokes and Clicks: Measuring Stress on E-learning Students - Manuel Rodrigues, Sérgio Gonçalves, Davide Carneiro, Paulo Novais and Florentino Fdez-Riverola

TANGO:H: Creating active educational games for hospitalized children - Carina Soledad González González, Pedro Toledo, Miguel Padrón, Elena Santos and Mariana Cairos

Technological platform to facilitate the labor integration of people with auditory impairments - Amparo Jiménez, Amparo Casado, Elena García, Juan F. De Paz and Javier Bajo.

iTEL 2 - Learning objects and recommendation systems

Chair: Demetrio Arturo Ovalle Carranza - National University of Colombia

Integral Multi-agent Model Recommendation of Learning Objects, for Students and Teachers - Paula Rodríguez, Néstor Duque, and Sara Rodríguez

A new generation of Learning Object Repositories based on Cloud Computing - Fernando De La Prieta, Javier Bajo, Paula Andrea Rodríguez Marín and Néstor Darío Duque Méndez

Providing Event Recommendations in Educational Scenarios - Agustín Cañas, Víctor Alonso, Juan Santos, Luis Anido and Manuel Fernández

Finding people who can contribute to learning activities: A first approach to enhance the information about experts available in a people directory - Víctor Alonso, Agustín Cañas, Juan Santos, Luis Anido and Manuel Fernández



PLENARY SPEAKERS



Longbing Cao (Director, University of Technology Sydney)

Plenary Speaker of PAAMS

Title: Agent Mining: The Synergy of Multiagent Systems and Data Mining



Amílcar Cardoso (University of Coimbra)

Plenary Speaker of DCAI

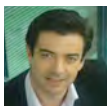
Title: Computational Creativity: Distributed Approaches



Katsutoshi Yada (Faculty of Commerce, Kansai University, Osaka)

Plenary Speaker of IS-MiS

Title: Strategic Data Asset in Retailer



Alberto Prado (Vice President of Digital Innovation at Philips)

Plenary Speaker of ISAmI

Title: Ambient Intelligence innovation: Overview of Philips activity and outlook



Alfonso Valencia (National Cancer Research Centre)

Plenary Speaker of PACBB

Title: Computational approaches to the study of protein families

All plenary talks will take place in Sala Menor