

JARCA'2016

XVIII JARCA Workshop on Qualitative Systems and Applications in Diagnosis, Robotics and Ambient Intelligence



El Toyo, Almería (Spain) 23-27 June 2016



Thursday 23 June 2016

9.00 - 9.15 Welcome

9.15 - 9.30 Workshop Introduction: Juan A. Ortega and Zoe Falomir

9.30 - 11.00 **Talk Session 1** (talk 15 min + 5 min questions) Chair: Josep Vehí

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| 1 | Oana Velicu, Natividad Martinez Madrid and Ralf Seepold | An alternative approach to developing a wearable sensor network for sleep monitoring |
| 2 | Rok Kozel and Cecilio Angulo | Evaluation of Seated-cable-row Exercise with Real Time Feedback |
| 3 | Agnes Klein, Natividad Martinez Madrid and Ralf Seepold | Parameter set selection and classification of sleep phases tracing biovital data |
| 4 | Wilhelm Daniel Scherz, Juan Antonio Ortega and Ralf Seepold | Heart rate analysis to differentiate mental and physical activity |

11.00 - 11.30 Breakout Discussion 1

11.30 - 12.00 **Coffee Break**

12.00 - 13.20 **Talk Session 2** (talk 15 min + 5 min questions) Chair: J. Antonio Ortega

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| 5 | Ismael Sanz, Lledó Museros and Luis Gonzalez-Abril | Exploring the Cognitive-Affective-Conative Image of a Rural Tourism Destination Using Social Data |
| 6 | Dennys Paillacho, Zoe Falomir and Cecilio Angulo | Towards Modelling Group-Robot Spatial Interactions using a Qualitative Spatial Representation Approach |
| 7 | Cristóbal Raya, Francisco Ruiz, Albert Samà and Núria Agell | A transformational creativity tool to support musical composition |
| 8 | Teresa Sanz, Francisco Velasco and Rocío Yñiguez | ¿Es España más eficiente que el resto de la EU-28? Buscando la respuesta a través de DEA y Malmquist. |

13.20 - 14.00 Breakout Discussion 2

14.00 - 15.30 **Lunch**

15.30 - 16.50 **Talk Session 3** (talk 15 min + 5 min questions) Chair: Cecilio Angulo

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| 9 | Víctor Corcoba Magaña, Mario Muñoz-Organero, Jesús Arias Fisteus and Luís Sánchez Fernández | Estimating the stress for drivers and passengers using Deep Learning |
| 10 | Jorge Yago Fernández Rodríguez and Juan Antonio Ortega Ramírez | Object detection using Google Street View. Work in progress. |
| 11 | Jesus Arias Fisteus, Luis Sánchez Fernández, Víctor Córcoba Magaña, Mario Muñoz Organero, Jorge Yago Fernández and Juan Antonio Álvarez García | A scalable data streaming infrastructure for smart cities |
| 12 | Zoe Falomir and Eric Oliver Obiol | Tools to Evaluate the Usability of Q3D to Help Improving Spatial Cognition Skills: Paper Tests versus Computer Games |

16.50 - 17.30 Breakout Discussion 3

17.30 - 18.00 First Session Clausure

18.00 - 20.00 Free time

20.00 - 21.00 Get together: **Cocktail**

21.00 - 23.00 **Dinner**

23.00 - 00.00 San Juan Night

Friday 24 June 2016

10.00 - 11.00 **Talk Session 4** (talk 15 min + 5 min questions) Chair: Lledó Museros

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| 13 | Jennifer Nguyen, Germán Sánchez-Hernández, Nuria Agell, Cecilio Angulo and Xari Rovira | On decisions for facing the reviewer assignment problem |
| 14 | J.G. Enríquez, F.J. Domínguez Mayo and M.J. Escalona | Utilizando MDE para la Reconciliación de Entidades en Grandes Fuentes de Datos |
| 15 | Francisco Javier Ruiz, Núria Agell, Cecilio Angulo and Mónica Sánchez | A Learning System for Adjustment Processes based on Human Sensory Perceptions |

11.00 - 11.30 Breakout Discussion 4

11.30 - 12.00 **Coffee Break**

12.00 - 13.00 **Talk Session 5** (talk 15 min + 5 min questions) Chair: Luís González

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| 16 | Teodoro Vázquez Vázquez, Amalia Luque Sendra and Luis Gonzalez-Abril | Fórmulas y herramientas de mejora basadas en nuevas tecnologías para la satisfacción de los pasajeros a bordo de buque de pasaje |
| 17 | J.G. Enríquez, F.J. Domínguez-Mayo, J.A. García-García and M.J. Escalona | ALAMEDA: Centrando Esfuerzos en el Desarrollo de Pruebas para Software |
| 18 | Virginia Cid De La Paz Furest, María José Escalona Cuaresma and Andrés Jiménez Ramirez | Gestión Dinámica de Citas en Entornos Sanitarios: Una revisión sistemática de la literatura |

13.20 - 14.00 Breakout Discussion 5

14.00 - 15.30 **Lunch**

15.30 - 17.10 Presentation of Research Groups (each talk 10 min x 10 = 100 min)

Chair: Francisco J. Ruiz

- Cecilio Angulo' research group
- Grup Francisco J. Ruiz and Nuria Agell's research group
- Josep Vehí's research group
- Mario Muñoz' research group
- Francisco Velasco and Luís Gonzalez Abril's research group

- Lledó Museros and Ismael Sanz' research group
- Grupo Juan A. Ortega's research group
- Grupo de Ralf Seepold and Natividad Martínez' research group
- Grupo de M. José Escalona's research group
- Grupo de Zoe Falomir's research group
- Otros grupos

17.10 - 17.30 Workshop Clausure

17.30 - 20.00 Free time

20.00 - 21.00 Get together

21.00 - 00.00 **Dinner**

Monday 27 June 2016

9.00 - 11.00 Research Groups Meeting: Next Network Call

11.30 - 12.00 **Coffee Break**

14.00 - 15.30 **Lunch**

16.00 - 18.00 Discussion: Roles for Next Nextwork Project Preparation

21.00 - 00.00 **Dinner**

Tuesday 28 June 2016

9.00 - 11.00 Conclusions from Breakout 1, 2, 3

11.30 - 12.00 **Coffee Break**

14.00 - 15.30 **Lunch**

16.00 - 18.00 Conclusions from Breakout 4, 5

21.00 - 00.00 **Dinner**