

CURRICULUM VITAE



Personal Details

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Short bio

Jose Luis Fernandez-Marquez is currently working as full time researcher at Institute of Services science (University of Geneva) with a research contract funded by SAPERE EU project. In 2011 he defended his PhD Thesis titled “Bio-inspired Mechanisms for Self-Organising Systems”. His expertise is mainly focused on highly distributed, self-organising and multi-agent systems. He has a wide experience implementing large-scale simulations and engineering self-organising systems. Along his research carrier, he has participated in the organisation of many conferences and workshops, such as, Symposium on Applied computing (SAC2012, SAC2013), Self-Adaptive and Self-Organising systems (SASO2012) or Adaptive Service Ecosystems: Nature and Socially Inspired Solutions (ASENSIS2012). He is also involved as reviewer in high impact international journals and conferences.

Educational background

1.- Official education

- European Mentioned **PhD on Computer Science**. Under a **FPI grant** from the Spanish Government. 27/05/2011
- **Official Master in “Advanced Informatics”** major: Artificial Intelligence. Autonomous University of Barcelona. Jun - 2007
- **Bachelor in Computer Science**. University of Seville (2002 - 2004)
- **Degree in Computer Science and Systems**. University of Huelva (1998 - 2002)

3.- Undergraduate projects

- **“Automation of an industrial truck”**. Work conducted by Dr. Guillermo Heredia in the Vision and Control Research Group, headed by the professor Aníbal Ollero. Department of Systems and Automatics. Engineering School. University of Seville. 2003 – 2005
- **“Control System of motors in multi-processing”**. Work conducted by Dr. Omar Sánchez. Department of Electronic, Computer Science and Automatic Engineering (D.I.E.S.I.A). University of Huelva (2001 - 2002)

4.- Graduate projects

- **“Bio-inspired Mechanisms for Self-organising Systems”**. European Mentioned PhD Thesis. Supervised by Dr. Josep Lluís Arcos. IIIA – CSIC. May. 2011 (Defence day: 27/05/2011)
- **“Modeling dynamic systems through artificial neural networks”**. Master project. Work conducted by Dr. Josep Lluís Arcos. IIIA - CSIC. Jun. 2007

5.- Stays abroad

- University of London (UK). Birkbeck Collage. Department of Computer Science. Participation in **“Hovering Information”** Project. From March - 2010 to July – 2010.
- University of London (UK). Birkbeck Collage. Department of Computer Science. Participation in **“Hovering Information”** Project. From April - 2009 to August – 2009.
- University of Montpellier (France). Department of Electrical & Computer Engineering. Working on the project **“Design and implementation of a mobile robot capable of following traces drawn on the floor”**. From March - 2001 to June - 2001

Research Activities

1.- Career history

- **Post-doc researcher** at University of Geneva. SAPERE EU project. Since Jun. 2011.
- **Associate researcher** at IIIA-CSIC under a Spanish FPI grant. From Oct-2007 to Jun-2011
- **Associate researcher** at the UDT (Technological Development Unit) IIIA (Artificial Intelligence Research Institute) CSIC. From June-2006 to September 2007
- **Software Engineer** for the company **“Strands”**. Spin-off from the IIIA

(Artificial Intelligence Research Institute) CSIC. From April - 2005 to May - 2006

2.- Current projects

- **“SAPERRE: Self-Aware Pervasive Service Ecosystems”**. EU STREP Project. FP7-ICT-2009.8.5: Self-awareness in Autonomic Systems. Since Jun - 2011

3.- Past projects

- **“Agreement Technologies (AT)”**. Funded by IIIA – CSIC. Ref. CSD2007-0022. <http://www.iiia.csic.es/en/project/at>. Sep. 2007 - jun-2011
- **“Hovering Information”**. Funded by the University of London (Birkbeck Collage) and University of Geneva. <http://www.dcs.bbk.ac.uk/~dimarzo/projects/HoverInfo.html>. Since April - 2009 - Jun- 2010
- **“ANERIS: Analysis and development of an intelligent oceanographic probe”**. Funded by IIIA - CSIC. <http://www.iiia.csic.es/en/project/aneris>. July 2008 - Jun 2011.
- **“EVE: Engineering Self-* Virtually-Embedded Systems”**. Funded by IIIA-CSIC. Ref. TIN2009-14702-C02-01. <http://www.iiia.csic.es/en/project/eve>. Jan. 2010 - Jun. 2011
- **“Autonomic Electronic Institutions (IEA)”**. Funded by IIIA - CSIC. Ref. TIN2006-15662-C02-01. <http://www.iiia.csic.es/en/project/iea>. Sep. 2007 - Sep. 2009
- **“ONCNOSIS: “Identification of biomarkers with diagnostic and therapeutic value for the neoplastic disease”**. CENIT Project contracted by Oncnosis Pharma IAE. <http://www.iiia.csic.es/es/project/oncnosis>. From June 2006 to Sep. 2007
- **“Coordination of aerial and ground mobile robots (CROMAT)”**, funded by the Directorate-General for Research of the Spanish Ministry of Education and Science. Project ref.: DPI2002-04401-C03-03. <http://grvc.us.es/cromat/us/>. From January 2004 to June 2005
- **“System for the development of robots”**, funded by the University of Huelva. Project ref. IX Plan Propio. July 2003 - July 2004

Scientific Activities

1.- Organising Committees

- Publicity co-chair: **SASO2013**: 7th IEEE International Conference on Self-Adaptive and Self-Organizing Systems (**SASO2013**).

- Track co-chair: **CM2013**: Coordination Models, Languages and Applications. Special Track on the 27th ACM Symposium on Applied Computing (**SAC2013**).
- Co-organiser: **Big Data: algorithms and application Seminar**. West Switzerland Doctoral Program seminar (CUSO). University of Geneva. 2012.
- Co-chair: **ASENSIS1012**: 1st International Workshop on Adaptive Service Ecosystems: Nature and Socially Inspired Solutions. At the Sixth IEEE International Conference on Self-Adaptive and Self-Organizing Systems (**SASO2012**)
- Track co-chair: **CM2012**: Coordination Models, Languages and Applications. Special Track on the 27th ACM Symposium on Applied Computing (**SAC2012**).
- Publicity co-chair: **SASO2012**: 6th IEEE International Conference on Self-Adaptive and Self-Organizing Systems (**SASO2012**).

2.- Program committees

- **EASSS2011**: 13th European Agent Systems Summer School
- **CM2012**: Coordination Models, Languages and Applications. Special Track of the 27th ACM Symposium on Applied Computing (**SAC2012**).
- **CM2013**: Coordination Models, Languages and Applications. Special Track of the 27th ACM Symposium on Applied Computing (**SAC2013**).

3.- Mentoring

- Awareness Summer School (**AWASS2012**). Edimburgh, 2012

4.- International Journals reviewer

- **Computer Communications**. Elsevire Editorial. Since 2012 (Q1 Information Systems)
- **IEEE Transactions on Systems, Man, and Cybernetics – Part C**. Since 2011 (Q1 Artificial Intelligence)
- **Neurocomputing Journal**. Elsevire Editorial. Since 2010 (Q1 Artificial Intelligence)
- **Central European Journal of Engineering**. Versita Editorial. Since 2010 (Q4 Engineering)

5.- International Congress and Workshops reviewer

- **SASO-2010**: Second IEEE International Conference on Self-Adaptive and Self-Organizing Systems.
- **PAAMS-2010**: 9th Conference on Practical Applications of Agents and Multi-Agents Systems.
- **EUMAS-2010**: 8th European Workshop on Multi-Agent Systems.