



# Joaquim Bellmunt Montoya

*Interested in technological innovations that respond to societal demands.  
Pervasive Computation, Internet of Things, and Cloud Computing.*

Singapore  
 Barcelona, Oct 15th 1987  
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## WORK EXPERIENCE



### **IMAGE AND PERVASIVE ACCESS LAB (CNRS UMI), Research Assistant** Jul 2014 - Today

Ph.D. Student attachment. I focus on Semantic Reasoning, Human Condition Computation and Context-Aware Service Delivery in Ambient Assisted Living deployments for Ageing in Place.



### **KPMG, IT Auditor** Nov 2013 - Apr 2014

Systems Auditor for annual audits in several multinational companies.



### **LIRMM, Research Intern** Mar 2013 - Sep 2013

Master Thesis Internship in Medical Robotics.



### **DEPT. OF SIGNAL THEORY AND COMMUNICATIONS, Fellow Intern** Feb 2011 - Jan 2012

Part of my responsibilities were the computer maintenance and support for all department staff.

## EDUCATION



### **PHD. IN COMPUTER SCIENCE** Jul 2014 - Today

*Institut Mines-Télécom, University of Montpellier (CNRS UMI), France*  
3 years Ph.D. Program in Computer Science.



### **ICT FOR HEALTH SPECIALISATION** Sep 2012 - Sep 2013

*Institut Mines-Télécom, Université Montpellier, École des Mines d'Alès, Montpellier, France*  
Master Degree with Specialty in Information and Technology in the Health field.



### **MSC. IN TELECOMMUNICATIONS ENGINEERING** Feb 2012 - Sep 2013

*ENS Telecom Bretagne, Brest, France*  
Double Master Degree program with TelecomBCN.



### **BSC AND MSC. IN TELECOMMUNICATIONS ENGINEERING** Sep 2005 - Jan 2012

*TelecomBCN (ETSETB, UPC Barcelona Tech), Spain*  
Modules in Probability & Statistics, Data & Signal Processing, Telematics, Communications, etc.

## SKILLS & INTERESTS



Native Speaker



Native Speaker



Bilingual



Full Competence



Semantic Web, Rule-Based engine, RDF, Notation3.  
JavaScript, Node.js, REST, MQTT, Bash, Android and Ionic.  
Classification (M.L.), Python, Matlab, R, and Weka.  
Mac, Windows and Linux OS.



Sportive, specially Football, and Barça fan. Cinema, traveling, driving.



- Founder and Manager of two football teams in Singapore regrouping European people.
- Board member of Telecogresca A.C (<http://www.telecogresca.com>) in 2011 and 2012. Telecogresca is a student association which organizes a music festival hosting every year more than 10.000 people.
- Former Vice-President of the sports student association at TelecomBCN, CET, which organizes every semester different sportive competitions, such as Football, Basketball or Volleyball.

## PUBLICATIONS & COURSES

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### PUBLICATIONS

- **Bellmont, J.**, Abdulzarak, B., Mokhtari, M., & Aloulou, H. Adaptable Computational Model for Frailty Measurement in Ambient Intelligence Environment. **Submitted** in *BHI-2017 International Conference on Biomedical and Health Informatics*, 2017.
- Aloulou, H., Abdulrazak, B., Endelin, R., Kadachi, F., & **Bellmont, J.** Activity Recognition Enhancement Based on Groundtruth: Introducing Accuracy and Granularity Metrics. **Submitted** in *IEEE International Conference on Pervasive Computing and Communications.*, 2017.
- **Bellmont, J.**, Mokhtari, M., Abdulrazak, B. & Aloulou, H. Agile Framework for Rapid Deployment in Ambient Assisted Living Environments. **Accepted** in *International Conference on Information Integration and Web-based Applications & Services*, 2016.
- Aloulou, H., Abdulrazak, B., Endelin, R., Kadachi, F., & **Bellmont, J.** Detecting Inconsistencies in Rule-Based Reasoning for Ambient Intelligence. In *21th International Conference on Engineering of Complex Computer Systems.*, 2016. **In Press.**
- **Bellmont, J.**, Mokhtari, M., Abdulrazak, B., Aloulou, H., & Kodys, M. Experimental Frailty Model Towards an Adaptable Service Delivery for Aging People. In *21th International Conference on Engineering of Complex Computer Systems.*, 2016. **In Press.**
- Aloulou, H., Abdulrazak, B., Endelin, R., Bentes, J., Tiberghien, T., & **Bellmont, J.** Simplifying Installation and Maintenance of Ambient Intelligent Solutions Toward Large Scale Deployment. In *International Conference on Smart Homes and Health Telematics* (pp. 121-132) Springer International Publishing, 2016.
- **Bellmont, J.**, Tiberghien, T., Mokhtari, M., Aloulou, H., & Endelin, R. Technical Challenges Towards an AAL Large Scale Deployment. In *International Conference on Smart Homes and Health Telematics* (pp.3-14) Springer International Publishing, 2015.

### COURSES

- Semantic Web Summer School, 2015, Bertinoro, Italy.
- Coursera, Machine Learning, 2014, Andrew Ng (<https://www.coursera.org/course/ml>)
- OpenHPI, Semantic Web Technologies, 2013 (<https://open.hpi.de/courses/semanticweb>)

## COMPETITIONS & AWARDS

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**IOT HACKATHON, I²R/A\*STAR - ETPL - SIAA**

Apr 2015

First Runner Up at IoT Hackaton organized by I²R/A\*STAR - ETPL - SIAA

## REFEREES

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**PROF. MOUNIR MOKHTARI**

IPAL & Institut Mines-Télécom

Ph.D. Director

IPAL Director

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**PROF. BESSAM ABDULZARAK**

University of Sherbrooke

Ph.D. Advisor

Invited Professor at LIRMM

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