

# 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



### IPAL (CNRS UMI), Research Assistant

Jul 2014 - Today

Ph.D. Student at Image and Pervasive Access Lab. I Focus on Semantic Reasoning, Human Condition Computation, Context-Aware Service Delivery and User Interface Plasticity in Ambient Assisted Living deployments for ageing in place and dependent people.



### KPMG, IT Auditor

Nov 2013 - Apr 2014

Systems & Process Assurance Auditor for annual audits in several multinational companies.



### LIRMM, Research Intern

Mar 2013 - Sep 2013

Intern at Laboratoire d'Informatique, Robotique et Micro-Électronique de Montpellier. Master thesis Internship in medical robotics field.



### DEPT. OF SIGNAL THEORY AND COMMUNICATIONS, Fellow Intern

Feb 2011 - Jan 2012

Intern at UPC. In charge of computer maintenance and support for all department staff.

## EDUCATION



### PHD. AT IPAL

Jul 2014 - Today

*Computer Science Ph.D. at IPAL, University of Montpellier, France*

Institut Mines-télécom, French Ph.D. in Singapore at IPAL (CNRS UMI)



### 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.



### MSC. TELECOMMUNICATIONS ENGINEERING

Feb 2012 - Sep 2013

*ENS Telecom Bretagne, Brest, France*

Double Master Degree program in Telecommunications Engineering.



### BSC AND MSC. TELECOMMUNICATIONS ENGINEERING

Sep 2005 - Jan 2012

*TelecomBCN (ETSETB, UPC Barcelona Tech), Spain*

Bachelor and Master Degree in Telecommunications Engineering.

## 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 a two football teams in Singapore regrouping European people.
- Board member of Telecogresca A.C (<http://www.telecogresca.com>) in 2011 and 2012. It 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 in my college, CET, Club Esportiu Telecos, which organises every semester different sportive competitions, such as Football, Basketball or Volleyball.

## PUBLICATIONS & COURSES

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### PUBLICATIONS

- **Bellmont, J.**, Tiberghien, T., Mokhtari, M., Aloulou, H., & Endelin, R. (2015, Jun). Technical Challenges Towards an AAL Large Scale Deployment. In International Conference on Smart Homes and Health Telematics (pp.3-14). Springer International Publishing. **Published**
- Aloulou, H., Abdulrazak, B., Endelin, R., Bentes, J., Tiberghien, T., & **Bellmont, J.**, (2016, May). Simplifying Installation and Maintenance of Ambient Intelligent Solutions Toward Large Scale Deployment. International Conference on Smart Homes and Health Telematics, **Published**.
- **Bellmont, J.**, Mokhtari, M., Abdulrazak, B., Aloulou, H., & Kodys, M., (2016, Nov). Experimental Frailty Model Towards an Adaptable Service Delivery for Aging People. 21th International Conference on Engineering of Complex Computer Systems. **Presented**
- Aloulou, H., Abdulrazak, B., Endelin, R., Kadachi, F., & **Bellmont, J.**, (2016, Nov). Detecting Inconsistencies in Rule-Based Reasoning for Ambient Intelligence. 21th International Conference on Engineering of Complex Computer Systems. **Presented**
- **Bellmont, J.**, Mokhtari, M., Abdulrazak, B., & Aloulou, H., (2016, Jun). Agile Framework for Rapid Deployment in Ambient Assisted Living Environments. International Conference on Information Integration and Web-based Applications & Services. **Accepted in IIWAS (28-30 Nov 2016)**.
- **Bellmont, J.**, Abdulrazak, B., Mokhtari, M., & Aloulou, H., (2017). Adaptable Computational Model for Frailty Measurement in Ambient Intelligence Environment. BHI-2017 International Conference on Biomedical and Health Informatics 2017. **Submitted**
- Aloulou, H., Abdulrazak, B., Endelin, R., Kadachi, F., & **Bellmont, J.**, (2017). Activity Recognition Enhancement Based on Groundtruth: Introducing Accuracy and Granularity Metrics. IEEE International Conference on Pervasive Computing and Communications. **Submitted**.

### COURSES

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

## HONORS & AWARDS

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### IOT HACKATHON

First Runner Up at IoT Hackaton organized by I<sup>2</sup>R/A\*STAR - ETPL - SIAA

Apr 2015

## REFEREES

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### PROF. MOUNIR MOKHTARI



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IPAL Director  
Professor at Institut Mines-Télécom  
[mounir.mokhtari@ipal.cnrs.fr](mailto:mounir.mokhtari@ipal.cnrs.fr)

### PROF. BESSAM ABDULZARAK



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IPAL collaborator  
Professor at University of Sherbrooke  
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