

## TOMÁS SÁNCHEZ LÓPEZ



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**Head of Data Analysis and Interaction** at Airbus Group, combining a solid engineering background with leadership and project management experience. Strong track record of communicating and negotiating with internal and external customers, planning and executing work as well as managing risk. 12 years' experience in innovation with a strong international profile. Broad experience in developing and setting internal strategy, acquiring funding, recruiting, managing staff and an annual budget of up to €3M. Trained in Lean and Six Sigma, certified ISO 9001 internal QMS auditor and a QUEST ambassador.

### SKILLS

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<i>Leadership &amp; Management</i>	4 years' experience in team leadership and people's management. 7 years of experience in project management and supervision. Communication within multicultural and multidisciplinary teams.
<i>Quality and Improvement</i>	Participated in several internal change projects in continuous improvement and CNQ. Certified Lean Six Sigma 'Green Belt' and QUEST ambassador. ISO 9001:2015 internal QMS auditor.
<i>Manufacturing &amp; Standards</i>	3 years' experience in applying technology advancements to Supply Chain and Manufacturing problems. Experienced in writing engineering standard (ISO, GS1), implementing military ones (STANAG), and complying with international regulations and certification processes (R&TTE).
<i>Research &amp; Innovation</i>	12 years' experience in research both in academia and industry. Published in over 30 international conferences, journals and books. Peer reviewer in over two dozen publications.
<i>Technical Skills</i>	6 years' experience in wireless sensors & networked RFID systems, including applications to IoT. Also multi-agent systems, computer clustering, Linux computer networking & web services.
<i>Corporate tools</i>	MS Office, Project, document and quality management systems and SAP.
<i>Languages</i>	Spanish (native), English (advanced), Catalan / Valencian (advanced), Korean (basic).

### EMPLOYMENT

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Jan 16-present	<b>Airbus Group; Head of Data Analysis and Interaction</b> Manage and lead this transnational research team with base in Newport, UK, and with staff in Wales, England and Germany. Key responsibilities include: <ul style="list-style-type: none"><li>- Manage and lead the team by advising, challenging, developing and supporting staff, in particular at the time of execution of plans and validation of deliverables.</li><li>- Reconcile organizational goals with the personal goals of the employees, coordinating efforts towards a common purpose.</li><li>- Fostering engagement of the team by being an ambassador of the organisational unit.</li><li>- Operation, planning and management of the team, including costs, budgets and revenues.</li><li>- Acquisition of projects and contracts from regional, national and European sources.</li><li>- Management of research projects, their results and their transfer both to internal and external customers. Portfolio management.</li><li>- Liaise with other organisational players to allocate resources to projects following the company's matrix organisation.</li><li>- Hiring new staff members.</li></ul>
Feb 12-Dec 15	<b>Airbus Group; Research Team Leader, Information Fusion</b> Manage and lead this research team with base in Newport, UK. Key achievements include: <ul style="list-style-type: none"><li>- Internal promotion after 1 year of joining the company at a lower position.</li><li>- Stabilization of team's funding by implementing bid schedule.</li><li>- Establishment of new team's strategy in conjunction with the team's technical lead.</li><li>- <i>Doubling of team's budget.</i></li></ul>
Nov 10-Jan 12	<b>Airbus Group; Lead Systems Engineer</b> <i>Lead the development of</i> Intelligence Fusion software. Advice in technology requirements for the team's research project environment. Responsible for the IT infrastructure of the centre in the UK.

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Aug 08-Nov 10 **University of Cambridge; Research associate**  
In the *Institute for Manufacturing* and *Auto-ID Lab Cambridge*. Participation and management of research projects in manufacturing, supply chain & IoT. Worked with customers within the aerospace industry and obtained 2 patents related to supply chain technology in aerospace.

## PROFESSIONAL QUALIFICATIONS & MEMBERSHIP

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2015 – present **ISO 9001:2015; IRCA**  
2015 – present **QUEST ambassador; Airbus Group**  
2014 – present **Lean Six Sigma Green Belt; Airbus Group**  
2012 – present **APMP Certified Project Manager; Association for Project Management**  
2013 – 2014 **Honorary Lecturer; Cardiff University**  
2005 – 2011 **Affiliated Research Associate; Auto-ID Labs**  
2009 – 2011 **Member; CamBridgeSens**  
2008 – 2010 **RFID architecture Researcher & member of standards' committee; GS1 / EPC-Global**  
2009 – 2010 **Member of Advisory Committee for ISO 18000-7 RFID tag standards; Dash-7 Alliance**

## DEVELOPMENT & TRAINING

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2015 **Internal Quality Management System Auditor; Bywater Excel**  
**QUEST bootcamp; Airbus Group**  
2014 **Improvement Belt Programme – Airbus Group**  
2013 **ERASMUS+ launch committee – European Commission**  
**Welsh Crucible – Welsh Government**  
2012 **Leadership Development Programme – Airbus Group & The Bridge**  
2011 **Technical Report Writing – The Institute of Engineering and Technology (IET)**  
2010 **Intelligent Sensing Programme - Sensors and Instrumentation KTN**  
**Planning and Managing a Research Project - University of Cambridge**  
**Wireless Communications to Enable the Internet of Things - SiKTN, eKTN**  
2009 **Project Management for Principal Investigators - University of Cambridge**  
**Leading your Research Team - University of Cambridge**  
**Uncovering the potential of wireless sensing – CamBridgeSens**  
**Collective Intelligence and Evolution - Lorentz Center**  
2008 **RFID Europe 2008 – IDTechEx**  
2005 **Symbian OS Essentials - Nokia University Program**  
2002-2003 **CISCO CCNA - Helsinki Metropolia University of Science and Technology**  
1998 **Microsoft .Net C# - Polytechnic University of Valencia**

## EDUCATION

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Feb 04-Aug 08 **Korean Advanced Institute of Science and Technology (KAIST) - Ph.D. Computer Science**  
In the *Real-time & Embedded Systems Laboratory* and the *Auto-ID Lab Korea*. Thesis title “Architecture for Sharing the Condition of Networked Smart Objects Based on Wireless Sensor Networks and RFID Integration”, in collaboration with the *University of Cambridge*.  
Sep 98-Feb 04 **Universidad Politécnica de Valencia (UPV) - B.S. & M.S. In Computer Science**  
Specialization in Operating Systems and Networks. Thesis title “Analysis on Linux Server Clustering” in collaboration with *Fujitsu Spain*.

## AWARDS

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2011 **ERASMUS ambassador for Spain**  
ERASMUS programme 25th Anniversary  
2009 **Wilkes Award 2009**  
Best paper volume 52, *The Computer Journal* (Oxford University Press)  
2006 **Best GPA in graduate school (4.26 / 4.3)**  
Korean Advanced Institute of Science and Technology (KAIST)  
2004 - 2008 **Korean Government Scholarship for Graduate Students**  
Full Ph.D studentship support  
2004 **PROMOE Scholarship by the Polytechnic University of Valencia**  
Execution of the master's thesis at the University of South Australia  
2002-2003 **ERASMUS Scholarship**  
Full academic year, Finland, Helsinki Metropolia University of Applied Sciences