

# Dr. Xavier Marti

## Head of IoT and Electronic Applications Group

Institute of Physics, Czech Academy of Sciences

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### Entrepreneurial experience

Sep 2013 – now	<b>Czech Academy of Sciences, Institute of Physics</b> Head of IoT and Electronic Applications Group  Bridging academy and industry in the field of material science
Dec 2012 – Jun 2020	<b>IGSresearch - Centro De Calculo Igs Software SL</b> Co-Owner and Chief Technical Officer  Sensor meshes for smart cities comprising hardware design, manufacturing, and machine learning data analysis. Deployments in Spain, Italy, Ecuador and Czech Republic.
Jun 2015 – Nov 2017	<b>Beethedata S.L.</b> Investor  Software for deep learning enabled video cameras. Currently in series B funding.
Jan 2015 – Feb 2017	<b>Teacle Enginyeria S.L.</b> Co-Founder  Wireless sensors, energy efficient and weather-proof meshes for geophysical research.
Mar 2014 – Aug 2016	<b>Research Entity Jump S.L.</b> Co-founder  To involve young talented students in the technology transfer between academic research and industry. The incubator <i>Penyalab</i> was founded and is still active today.

### Academic career

90+ peer-reviewed articles in scientific journals (including Nature Nanotechnology, Nature Materials, Nature Electronics), cited over 5000 times, h-index 35 (Google Scholar).

Jun 2012 – Sep 2013	<b>University of California, Berkeley</b> Assistant Project Scientist
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Jan 2010 – Jun 2012	<b>Charles University in Prague, Mathematics and Physics Faculty</b> GACR research fellow
Sep 2006 – Dec 2009	<b>University Autònoma of Barcelona</b> Ph. D. Materials Science with Cum Laude honors  Internships in Politecnico di Milano, Italy (2007) and ESRF, Grenoble, France (2008)
Sep 2002 – Sep 2006	<b>University of Barcelona</b> M. S. Electronic Engineering
Sep 1998 – Sep 2002	<b>University of Barcelona</b> M.S. Physics Member of the College Ramon Llull - Penyafort

### Competitive calls research funding

Jan 2018– Jan 2022	<b>“Antiferromagnetic Spintronics”</b> , EUR 3,739,300  EU Commission, FETOPEN-01-2016-2017 (proposal No. 766566) Role: Industrial Partner
Jan 2015 – Jan 2018	<b>“Automated monitoring of three-dimensional fracture movements”</b> , EUR 262,000  Technology Agency Czech Republic (project TA04021791) Role: Industrial Partner
Jan 2014 – Jan 2016	<b>“Design of novel sensors for advanced management of urban mobility and illumination”</b> , EUR 463,278  Spanish Ministry of Industry, Energy and Tourism (project TSI-100103-2014-75) Role: Industrial Partner (sole beneficiary)

### Languages

Working seamlessly in English.  
Frequently used basic skills in Czech and Italian.  
Native Catalan and Spanish.