



### Lidar hardware scientist

The Centre for Development of Sensors, Instrumentation and Systems of Universitat Politècnica de Catalunya (<http://www.cd6.upc.edu>) is a Specific Research Centre within the University specialized in technology transfer in photonics engineering. The Centre has 40 scientists working in different lines of research, based on competitive funded projects and contracts with companies, all around photonics, optical metrology, multispectral systems, biophotonics, visual optics and optomechanics. CD6 has on-site electronic and mechanic workshops, and prototyping of turnkey units one of the key added values of CD6 from its inception.

For supporting our projects in lidar and electro-optic imaging technologies, CD6 is searching for an experienced PhD/posdoc researcher with experience in prototyping and an specialty in **firmware and analog electronics development**. Lidar imaging is currently an expanding topic in the Centre with several patents deployed and novel technological developments in the loop. The ideal profile is that of a PhD with a background on telecommunications or electronics engineering, with experience in **hands-on prototyping** and **hardware development in FPGAs**, and involvement in technology transfer projects. The selected candidate will be awarded a two-year contract devoted to the development of novel solutions for lidar imaging in different approaches and applications.

Academic requirements	PhD/Posdoc in photonics, desirably in lidar or hardware development 4 years of postdoctoral experience Demonstrable experience and interest in technology transfer	
We offer	Full time work in world-class research project Working in Terrassa, 40min from Barcelona Starting in January 2018 Potential professional career in the Centre beyond the contract	
Send	Detailed CV Motivation letter explaining in detail the professional/research path, with special focus on the experience and projects in the technologies mentioned below, and the experience in technology transfer/start-ups/companies.	
To	Santiago Royo ( <a href="mailto:santiago.royo@upc.edu">santiago.royo@upc.edu</a> ) Universitat Politècnica de Catalunya Rambla Sant Nebridi nº 10 08222 Terrassa fax: 93 739 89 23	
We value	Integration and prototyping experience in complex systems, in special regarding lidar and other electro-optical imagers Experience in projects on firmware development and FPGA programming and/or optomechanical design and construction Advanced programming level (in special C++, Matlab, LabView,). Consistent track of publications/patents/projects. Research experience in optics&photonics engineering labs. Advanced English, Spanish desirable but not mandatory. Academic quality writing and reporting. Teamworking, initiative, self-motivation.	
Deadlines	Reception of candidatures	August 21 <sup>st</sup> 2017
	Contact with preselected candidatures	August 25 <sup>th</sup> 2017

More information

On the call:

[santiago.royo@upc.edu](mailto:santiago.royo@upc.edu)

On CD6:

<http://www.cd6.upc.edu>