



## **Immediate PhD Position in Optical Integrated Sensing for the Next-Generation Aircrafts – European-Japanese Project.**

You have a Masters degree in Photonics, Electronics Engineering, Applied Physics or other equivalent. You are passionate about learning new science and developing new optical technologies for the next generation future aircrafts. You fulfil the requirements to subscribe as a doctoral student - You are interested in micro-photonics and fiber optics technology and applications. You have experimental laboratory experience in optics and/or electronics, and you like programming and have good mathematical skills. You have good written and oral English skills. You also like travelling and working within team groups, and have good working independence.

Project: Your PhD work will be funded for 3-years within a FP7 EU project. You will be involved in the development of innovative concepts for smart integrated ice protection systems for future aircrafts. Your work will consist on (1) developing new integrated optical systems based on novel photonic and fiber optic laser technologies, and (2) constructing a laboratory ice chamber for in-situ studying ice formation conditions, and testing and simulating the devices capabilities. A wide range of scientific abilities will therefore be developed.

You will work in close contact with leading research groups and companies from Spain, France, Germany, and Japan. You will have the possibility to present research results at important international conferences, as well as in confidential group meetings. You will also publish in high impact international journals.

If you are interested please contact immediately Professor F. Díaz ([f.diaz@urv.cat](mailto:f.diaz@urv.cat))