



7 prestigious PhD Student Positions with the REVOLVE project

Part of the European Commission's H2020 Marie Skłodowska-Curie Actions, the European Industrial Doctorate programme *REVOLVE: Radio Technologies for Broadband Connectivity in a Rapidly Evolving Space Ecosystem: Innovating Agility, Throughput, Power, Size and Cost* offers 7 PhD student positions in the area of antennas with related technologies, electronics and signal processing, starting in the autumn of 2017.

Structured around a major European satellite integrator (Thales Alenia Space), REVOLVE brings together a further 4 leading European R&D laboratories from universities, industries, and technology institutes in the domain of radio frequency electronics and antennas for space applications that are located in France, Germany, Spain and the United Kingdom.

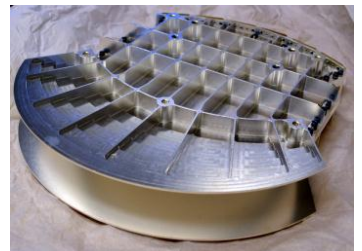
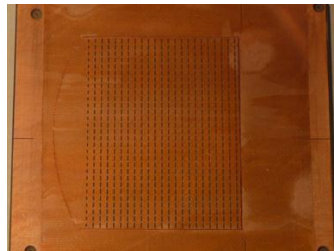
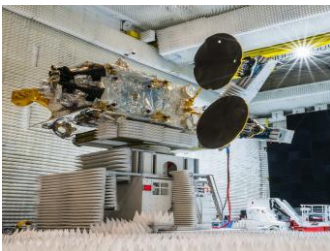
REVOLVE addresses the rapidly growing need for performance and cost in emerging satellite missions focusing on new technologies and design methods for antenna and radio front-ends. Selected candidates from this process will receive a generous employment contract for 36 months with one of the consortium partners. All selected candidates will be expected to enrol in a doctoral programme commencing the academic year 2017-18 (ie. Start date in fall 2017) that is jointly supervised from academic and industrial advisors. During the course of the PhD training, each PhD student will be seconded to at least three of the partners and spend as a minimum 50% of their time in the industry sector – including a minimum of 6 months with Thales Alenia Space France.

Applicants should, by August 2017, have concluded their undergraduate or postgraduate studies in a relevant engineering or applied physics discipline. Selection is also based on the performance of the candidates in other works (e.g. thesis and advanced level courses), as well as through interviews and assignments. Besides good subject knowledge, emphasis will be on creative thinking, motivation, ability to cooperate, initiative to work independently and personal suitability for research training. Gender equality will be ensured in the recruitment process.

Previous experience in the area of antennas, radio electronics, signal processing and mechanical engineering as well as proficiency in using scientific and engineering software packages such as MATLAB, CST, HFSS, ANSYS, CAD, etc. are meritorious..

Examples of topics: frequency dispersive designs for payload, quasi-optical reconfigurable beam formers, graded index optical techniques, compact and highly efficient feeds, reconfigurable reflectarray using mechanical techniques, advanced synthesis of reflectarray, deployable structures for antennas.

Please apply on: dsp-fr-emploifrance@thalesaleniaspace.com with a CV, a transcript, the contact details of three referees and a cover letter by 11.59 pm CET on Wed 29 March 2017.



Further informal information (**no applications**) can be obtained by contacting Professor George Goussetis (Heriot-Watt University, email: G.Goussetis@hw.ac.uk), Dr. Hervé Legay (Thales Alenia Space, email: herve.legay@thalesaleniaspace.com), Dr. Mauro Ettore (IETR, mauro.ettore@univ-rennes1.fr), Dr. Leri Datashvili (Large Space Structures GmbH, LSS, email: leri.datashvili@largespace.de), Dr. René Cambolor Díaz (rcd@prodintec.com).