Post-doctoral Position:

Mixing PCB and 3D-printing for the design of microwave components and sub-systems

Contact Person	Benjamin Potelon (benjamin.potelon@univ-brest.fr)
Keywords	Radio-Frequency, Microwaves, 3D printing, PCB, Technological Process, interconnexions
Laboratory	Lab-STICC (http://www.lab-sticc.fr) The candidate will be integrated into an internationally-recognized dynamic research group (gathering more than 10 PhD students) focusing on microwave components and systems providing original solutions in various domains such as telecommunications, defense and health. Joining us is also a possibility to have regular contact with industry-related research through the Thales-Lab-STICC joint lab. Facilities include highly specialized equipment spanning from simulations (HFSS, ADS, CST…) to technological realization (SLA and FDM Printers…) and measurement (VNA up to 110GHz).
Subject	The offered post-doctoral position is related to an ANR-DGA ASTRID project called TANGO focusing on the use of 3D-printing for functional packaging and the multi-technology integration for RF electronics purposes. The hired person will be in charge of the development of technological processes mixing additively-built components together with standard or advanced PCB-built boards. The design of functional interconnexions will also be part of the tasks, together with the interactions with the project partners (SMEs and Major).
Candidate Profile	- PhD holder with knowledge in RF and Electronics - European Union citizenship is compulsory - non-french-speaking candidates welcomed (English required)
Work contract	Employer: Université de Bretagne Occidentale. (http://www.univ-brest.fr)
Location	Université de Bretagne Occidentale, in Brest (France).
Duration	2,5 years (Fixed-term contract)
Starting date	January 2021 or sooner (to be discussed)
Monthly salary	2546€ (gross, including welfare cover)