PhD Position
Ph0001: Design of innovative microwave devices on hybrid technologies (PCB and 3D-printing)

Keywords	Microwaves, Filters, Antennas, Interconnects, 3D-printing, PCB.
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 project is to develop innovative topologies of passive components (filters, couplers or antennas for example), of subsystems combining passive and active (such as tunable filters, filters or steerable antenna array and their associated bias networks) or even complete systems combining the best technological possibilities offered to aim for high electrical performances and limiting the weight and the volume. The integration of active components and design of multi-technology interconnection topologies will also be addressed during the thesis.
Candidate Profile	Master Degree holder (or equivalent) with knowledge in Microwaves, RF and Electronics
Location	University of Brest. (http://www.univ-brest.fr)
Duration	3 years contract
Starting Date	To be discussed
How to apply ?	Send CV and Motivation Letter before 15 April 2022 by e-mail to Cédric Quendo (cedric.quendo@univ-brest.fr) using the reference Ph0001 in the subject of the e-mail.