



Post-Doctoral Position

PD0001: 3D-printing and Antenna design

Keywords	Microwaves, Antennas, 3D-printing, Antenna Arrays.
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	This post-doctoral proposal concerns the design of antennas based on 3D-printing technology to address the integration as well as to decrease the cost and weight. Furthermore, the impact of the mesh geometry and size, of the substrate material and of the array element type on the nature of the coupling will be estimated. All results will be exploited to choose the right array element type and/or substrate material for each proposed concept considering sensitivity.
Candidate Profile	PhD holder with knowledge in Microwaves, RF and Electronics
Location	University of Brest. (http://www.univ-brest.fr)
Duration	1 year renewable 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 PD0001 in the subject of the e-mail.