

Tenure-Track - Junior Professor Position

Position description

University : Université de Limoges (UNILIM)

Site concerné : Limoges – XLIM UMR CNRS 7252

Academic region : Limoges

Department : ENSIL-ENSCI, School of Engineering

Keywords : Integrated Circuits, Active Antennas, Waves-living material interaction, material integration, nanofabrication technology

Duration : 5 years

Scientific Theme : New Technologies for RF and Millimeter-wave Communication Systems

Section (s) CNU/CoNRS/CSS correspondante (s) : CNU 63 / CoNRS 8

Job Profile

XLIM is recruiting a new tenure-track Junior Professor (Chaire de Professeur Junior) in microwave electronics.

Research profile

The research profile focuses on RF and microwave activities at XLIM laboratory. Candidates must present a research project consistent with the research themes of the laboratory, preferably around the following topics:

- New generations of active antennas, from millimeter to THz including the design and modeling of antenna arrays, integration of metamaterials, metasurfaces, RIS and integrated active elements.
- Waves interactions of with living material, from system-on-a-chip to exposure systems for health effects study.
- The introduction of new materials (thin films) and/or development of new additive nano-fabrication technologies for RF and THz circuits.

Teaching

The candidate must be able to provide teaching within the Electronics and Telecommunications department, both in engineering training under student status (FISE) and in engineering training under apprentice status (FISA). The 1st, 2nd and 3rd years of the

engineering cycle will be considered. The candidate is expected to have skills in analog electronics and in the field of microwaves.

The recruited person will be required to propose topics for tutored projects that he/she will supervise, to supervise internships (FISE) and to follow apprentices. He will be asked to get involved in administrative operations and participate in the promotion of FISE and FISA training in the Electronics and Telecommunications specialty to future candidates and companies.

Teaching:

Teaching department :	ENSIL-ENSCI, School of Engineering
Address :	Ester Technopole, 16 rue Atlantis 87068 Limoges Cedex
Department :	Electronics and Telecommunication
Contact :	Valérie Madrangeas
Phone :	+33 5 55 42 36 98
Contact email :	valerie.madrangeas@unilim.fr
Website	https://www.ensil-ensci.unilim.fr/formations/cycle-ingenieur/specialite-electronique-et-telecommunications-elt/

Research:

Research Groups :	XLIM – Axes SRF or RFE
Location :	Limoges Campus
Contact :	Stéphane Bila
Phone :	06 67 94 73 97
Email:	stephane.bila@xlim.fr
website	https://www.xlim.fr

Funding Package:

Graduate Student	One PhD student for the first five years
Equipment	Office and Computer equipment PLATINOM technology and measurement platform. Travel expenses
Associated funding	
Overall Funding:	395 000 €
Amount given by the National Research Agency	200 000 €

Other Informations:

Skills	More than 3 years of Experience in RF circuits (Circuit design and simulations, E-M modelling, Circuit technology...).
Modalités d'organisation du recrutement	
Dépôt des dossiers de candidature	