



Proyecto PDC2023-145847-I00 financiado por MICIU/AEI /10.13039/501100011033 y por la Unión Europea NextGenerationEU/ PRTR

Madrid, April 2024

The Center of Advanced Materials and Devices for ICT (CEMDATIC), at the Universidad Politécnica de Madrid (UPM) is offering a position as:

## Experienced Electronics Engineer

We offer temporary contract to work in Madrid (Spain) enrolling in the Applied Photonics Group, an experienced and dynamic team of scientists, with strong international and industrial collaboration, access to modern technology labs and participation in cutting-edge research programs. The position is related to the development of systems based on Photonic Integrated Circuits (PICs) in the frame of a “Proof of Concept” project funded by the Spanish Government.

We are happy to consider CV of interested candidates and to receive Expression of Interest and inquiries at this email:

Prof. Ignacio Esquivias (Email: [ignacio.esquivias@upm.es](mailto:ignacio.esquivias@upm.es))

Application deadline: 31/05/2024

### Tasks:

- Development of electronic systems for controlling and driving PICs for gas sensing LiDAR systems.
- Development of a test platform for the calibrated testing of photonic gas sensors.
- Development and validation of a transmitter module for gas sensing LiDAR systems.
- Definition of exploitation routes of the developed transmitter module.

**Requirements:** Candidates should hold a MSc's degree or PhD in Electronics, Telecommunications Engineering or equivalent. Additional knowledge of photonics, FPGA programming, analog and RF electronics, PCB design, and the use of optoelectronic instrumentation is appreciated. Previous experience in research or industry is highly valued.

**Starting Date:** July 2024

**Duration:** 31 December 2025

**Salary:** 30-40 k€/year, before taxes, negotiable according candidate's experience

## Puesto de Ingeniero Electrónico/Fotónico en Madrid

El CEMDATIC de la Universidad Politécnica de Madrid ofrece un contrato para un Ingeniero Electrónico y/o Fotónico en el marco del proyecto Prueba de Concepto: “Transmisor Láser basado en Circuitos Integrados Fotónicos para sensado de dióxido de carbono (PIC-CO2)”

Más información:

[https://mcyt.educa.madrid.org/empleo/inscripcionDemandaProfesional/mostrador\\_oferta.asp?codigo=52614](https://mcyt.educa.madrid.org/empleo/inscripcionDemandaProfesional/mostrador_oferta.asp?codigo=52614)