



IENAI
SPACE

ARE YOU OUR NEXT PhD candidate in MICRO & NANO-TECHNOLOGY?

We're looking for a microfabrication specialist with a passion for Space to carry out an industrial PhD within our company! You would join our team in Centro Nacional de Microelectrónica (CNM), Barcelona, Spain.

WHO ARE WE?

IENAI SPACE, an early stage startup located in Madrid, developing the first commercial electro spray thruster designed and manufactured in Europe. We are a highly innovative company in the "New Space" sector; the team is made up of a dynamic and multidisciplinary group of engineers, PhDs, developers and financial experts in 'deep-tech', looking to revolutionize space mobility sector.

WHAT ARE WE LOOKING FOR?

A PhD candidate who will, under the supervision of the company team and a thesis advisor at Centro Nacional de Microelectrónica (CNM), design, manufacture and evaluate the performance of new electrostatic ion emitters based on micro- and nano-fabrication technologies. The PhD will be carried out in the facilities of CNM, located in the campus of Universidad Autónoma de Barcelona.

VALUED EXPERIENCE & SKILLS

- Microfabrication background (UV lithography, wet & dry etching, plasma processes, etc).
- Practical, hands-on experience in Clean-Room environments.
- Experience working with electronic laboratory equipment such as oscilloscopes, amplifiers, power supplies, source meters etc.
- Experience designing testing setups.
- Experience with FEM and multiphysics software (COMSOL, Ansys, etc.)
- Experience with CAD design software.
- Spoken and written proficiency in English language.
- Motivated, organized, conscientious, hands-on, proactive.

WHAT WE OFFER

A dynamic environment and a motivated team committed to an interesting and novel project. Responsibility and autonomy. A full time contract of 40h per week, 23 holidays + 5 extra during Christmas, flexible working hours and WFH up to 2 days per week. **Salary conditions to be negotiated during the interview.**

Interested candidates contact us at careers@ienai.space with [APPLICATION PhD MICRO] in the subject.