

The mission of the Catalan Institute of Nanoscience and Nanotechnology (ICN2) is to achieve the highest level of scientific and technological excellence in Nanoscience and Nanotechnology. Its research lines focus on the newly-discovered physical and chemical properties that arise from the behavior of matter at the nanoscale. ICN2 has been awarded with the Severo Ochoa Center of Excellence distinction for two consecutive periods (2014-2018 and 2018-2022). ICN2 comprises 17 Research Groups, 7 Technical Development and Support Units and Facilities, and 2 Research Platforms, covering different areas of nanoscience and nanotechnology.

Job Title: Senior Technician for the Mechanical Workshop Facility

Research area or group: Core Research Support Facilities

Description:

The Catalan Institute of Nanoscience and Nanotechnology (ICN2) seeks a chief senior technician to manage the overall activity of the Mechanical Workshop facility and provide technical support service to the experimental research groups within the Institute. The Workshop benefits from a range of modern machinery including CMC machines as well as more traditional workshop tools. The successful candidate will construct, adapt, repair and maintain precision mechanical devices needed for the institute research.

Main Tasks and responsibilities:

- Coordinating and overseeing all activities of the facility.
- Performs complex, high precision work by setting up and operating precision manual and/or computer numerical controlled (CNC) machine tools such as lathes, mills, drill presses, and the ability to conduct welding operations to fabricate parts for research projects.
- Resolves complex design and manufacturing problems such as performing design work from verbal or minimal written instructions to manufacture mechanical devices - determining tolerances and fits on mechanical designs - performing advanced jig and fixture design and construction.
- Provides technical support to all research group projects engaged in construction and manufacture of special purpose instruments and delicate laboratory equipment.
- Collaborate with the researchers at a high level of creative and technical expertise to perform complicated design, fabrication, modifications and/or repair of research equipment.
- Plans, assigns, and supervises shop operations prioritizing work to meet strict deadlines.
- Maintains inventory and initiates stock procurements;
- Provides cost estimates on jobs being requested by users.

Education, Experience, Knowledge and Competences required:

- Degree in Mechanical Workshop Technology.
- Basic level of English knowledge.
- Journeyman Level Machinist with a min. of 6 yrs. experience in machining.
- 4 years of experience as chief of a mechanical workshop facility.
- Machine parts to specifications using machine tools such as lathes, milling machines, or grinders and CNC.
- Ability to use CAD software (Solidworks or ProE, Inventor...)

- Ability to develop cooperative and effective working relationships with research staff using excellent verbal, written and electronic communications skills.
- Demonstrated independent organizational and project management skills including the ability to coordinate and prioritize a diverse workload, set and meet competing deadlines and establish systems to effectively manage projects and other information.
- Ability to independently resolve problems.
- Experience working as part of a professional team and in maintaining confidentiality.

Summary of conditions:

- Full time work (37,5h/week)
- Contract: Permanent
- Salary will depend on qualifications and demonstrated experience.
- Support to the relocation issues.
- Life Insurance.

How to apply:

All applications must be made via the ICN2 website and include the following:

1. A cover letter.
2. A full CV including contact details.
3. 2 Reference letters or referee contacts.

Deadline for applications: 24th December 2019

Equal opportunities:

ICN2 is an equal opportunity employer committed to diversity and inclusion of people with disabilities.