Designer of an instrumentation amplifier

The IMB-CNM is the largest institute in Spain dedicated to the research and development of Micro and Nano Technology and microsystems and with unique capabilities in silicon technology. It belongs to CSIC since its foundation in 1985 and is distinguished with the AEI María de Maeztu Unit of Excellence accreditation.

The main activities of IMB-CNM are basic and applied research and development, education and training in micro and nanotechnologies, components and systems. Its mission is to improve knowledge and contribute to the implementation of solutions based on these technologies in new products to solve societal challenges.

The applicant will design an instrumentation amplifier based on a flexible technology. Some basic building blocks such as an operational amplifier will be provided. The candidate will have to design the amplifier from these building blocks. This design will have to adhere to a defined specification. They will also be required to simulate the characteristics of the design and write a report.

Key Responsibilities

- Researching topologies for an instrumentation amplifier
- Design of the circuit of the amplifier
- Simulation and report creation

Required skills

- Knowledge of electronics
- Electronic design

Experience

- Microelectronic design subject

Job conditions

- TFG or work placement internship
- Flexible hours

How to apply

Applications should be submitted to rrhh@imb-cnm.csic.es and roger.sole@csic.es stating the job title as the Subject of the message. The mail should include a cover letter and an updated CV.

Sending CVs to the above address implies consent to the Legal Advice | IMB CNM (csic.es).

This offer can be found on: https://www.imb-cnm.csic.es/en/about-center/careers/open-positions.

More information on IMB-CNM: https://www.imb-cnm.csic.es/en/