ultrasound system engineer

About the company

Qplox specializes in product qualification and release. We offer consultancy and engineering services for test and lab automation, characterization, verification, validation and end of line test. For a wide range of products, and with special focus in High tech.
Our engineering department develops custom made test and automation systems, electronic prototypes and test benches.
Our consultancy department offers our clients a complete solution for their high tech qualification needs. From RF, Photonics, semiconductors… our engineers can help in the qualification of all your advanced products.

Job Description

Our customer team's research activities focus on the development of novel applications using transducers, sensors and actuators. As a designer of novel multi-physics transducers and systems, you will collaborate closely with the biomedical, process technology, and characterization teams. This interaction will enable the natural, but challenging, evolution of the currently developed MEMS technologies and devices towards their application. Materials selection, technology parameter definition, modeling of novel physical phenomena as well as technological variability will be key for this successful transition.

- You will create novel ultrasound system using ultrasound transducers fabricated in technologies under development. More specific, you will participate to the design of a new generation of ultrasound transducer in polymer technology, you will design the acoustic system to reach the specifications and participate to the characterization.
- You will maintain a high standard of literature knowledge to support the design activities.
- You will participate to the development of novel modeling techniques for Multiphysic Systems and to the characterization of ultrasound transducer.
- You will collaborate with specialists from our cross-disciplinary design and technology teams.

Candidate Description

- Master or PhD degree in Physics, Mechanics or Electrical Engineering with 3+ years of relevant experience.
- Proven experience in conceptual system design and system testing.
- Good knowledge and interest in multiphysic modeling, design techniques and design environment is an asset.
- Good knowledge multiphysic design software such as Comsol, MEMS+ or Ansys is an asset.
- Ability to quickly write code or routines using Matlab or Python.
- The imec environment requires a good team player with competent communication and reporting skills.
- Given the international character of imec, a good knowledge of English is mandatory.
- Proficient in use of multiphysic design software such as Comsol, MEMS+ or Ansys
- Ability to quickly write code or routines using Matlab or Python

Key Words

COMSOL, MEMS+, Ansys, Python, modeling, simulation, C, Matlab, ultrasound

We offer

Your performance and growth is monitored, assessed and rewarded, you will have an individual development plan based on your competences and interests. We offer an attractive salary package with extra-legal benefits. A high tech, multicultural and young company with fast promotion and many learning possibilities in a growing, multidisciplinary company.

Contact

Send your CV to jobs@qplox.com or surf to www.qplox.com