
About the company

Our consulting group is a family of experts in microelectronics, where large companies come for advice in the most daunting semiconductors and microelectronics challenges.

Whatever your view is on high tech electronics, there is always a nice project running in Qplox

Job Description

- Our customer 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. Your primary tasks and responsibilities will include:
 - You will create and implement novel designs in existing technologies and technologies under development. More specific, you will design a new generation of micro-actuators in polymer technology in order to create micro-pumps and valves. Write or modify code to control automatic setups.
 - You will organize and perform the characterization of the designed devices.
 - You will maintain a high standard of literature knowledge to support the design activities.
 - You will contribute to the development of novel modeling techniques for Multiphysic Systems.
 - You will collaborate with specialists from our cross-disciplinary design and technology
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Candidate Description

Function Requirements:

- Master or PhD degree in Physics, Mechanics or Electrical Engineering with 3+ years of relevant experience.
 - Good knowledge and interest in multiphysic modeling, design techniques and design environment is an asset.
 - Proven experience in conceptual system design and system testing is an asset.
 - Proficient in use of multiphysic design software such as Comsol, MEMS+ or Ansys
 - 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.
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Relevant experience

- Proficient in use of multiphysic design software such as Comsol, MEMS+ or Ansys
 - Ability to quickly write code or routines using Matlab or Python
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We offer

We are proud of our open, multicultural, and informal working environment with ample possibilities to take initiative and show responsibility. We commit to supporting and guiding you in this process; not only with words but also with tangible actions. We actively invest in your development to further your technical and personal growth. Your energy and commitment are appreciated by means of a competitive salary with many fringe benefits.

Contact

Send your CV and application letter to jobs@qplox.com indicating the position in the subject
