The NU-RISE is a University of Aveiro spin-off based at IEUA and plans to increase the number of employees for the Pro-dose project - a system for dosimetry in radiation therapy for breast cancer and prostate cancer. The company is seeking to recruit:

Physicist Engineer / Biomedical Engineer (or similar) **(M/F)**

Workplace:
Aveiro, Portugal

Keywords:
Scintillating fiber optic radiation detectors, silicon photomultipliers, dosimeter, radiotherapy, medical devices;

Summary:
This position is for an entry to mid-level individual who has an engineering background. Position entails the development, design and characterization of new products for the optics and radiation detection product line. The engineer will be responsible for managing the project from concept to finished product.

Essential Job Functions include the following, but are not limited to:

- Participate in the development and characterization of measuring instruments and electronic equipment for medical and radiation
- Make analysis and specifications, and product concept development;
- Make the technical interface between the company and research teams at the University of Aveiro and the IPO-Porto;
- Participation in prototype calibration tasks in hospitals (national and abroad).
- Design new products;
- Review customer surveys and customer feedback to determine requirements and/or feasibility of the equipment. Communicate with customers to understand and define their needs.
- Assists drafting, lab testing, manufacturing, quality, and planning as required.
- Prepare technical data such as qualification test procedures, acceptance test procedures, reports, component maintenance manuals, etc.
- Acts as technical expert for the company for both internal and external customers.
- Monitor and analyse assigned competitors' trends, acquisitions, and product lines with the intent of reporting to the group weekly and posting to internal forum when applicable.
- Keep current with newest applications, products, and manufacturing techniques within the industry. Share, discuss, and collaborate while looking for opportunities to implement.
- Responsible for identifying problems, and providing solutions for manufacturing issues relating to newly released products, as well as established production workflow.
- Assist in completing engineering changes identified through prototype and pilot runs to increase product manufacturability.

Qualifications

Experience:

- Some industry experience or related coursework in the field of optics and photonics

Education:

- Graduate or Master in Physics Engineering, Physics, Biomedical Engineering, Radiotherapy;

Specialized Knowledge and Skills:

- Demonstrated technical background and hands on experience in such fields as optics, opto-mechanical design, laser optics, polarization, microscopy, and telecommunications. Hands on experience with optics including measurement, and testing
- Knowledge of current optical design, fabrication, assembly, and test techniques
- Strong project Management skills with a deep sense of ownership
- Strong ability to take initiative
- Demonstrated innovation
- Flexibility/adaptability in a fast-paced & dynamic environment
- Good knowledge in instrumentation and experimental physics;
- Previous experience in radiation detectors;
- Good knowledge in analog and digital electronics;
- Ability to work well independently and as part of a team in a fast-paced, growth environment
- Ability to multitask, prioritize, set and meet project deadlines
- Strong attention to detail.
- Availability to travel.
- Excellent communication skills in English

To apply:

To apply, send Letter of Interest and detailed CV to jobs@nu-rise.pt using the job reference NRHR-201710-05 as subject.