

Research Engineer for firmware and FPGA programming for Biophotonics Applications

ICFO is offering a research engineer position to a well-qualified, highly motivated and dynamic young scientist who wishes to enhance his/her scientific career in a friendly and stimulating environment.

The successful candidate will be joining the Medical Optics Group led by Prof. Dr.Turgut Durduran. The group develops new technologies for clinical applications for non-invasive monitoring of the body. In this project, the candidate will work with a group of physicists, engineers and medical doctors to develop algorithms to be programmed in field-programmable gate array (FPGA), micro-controller and other embedded systems for data acquisition and analysis. These will form part of prototypes for both clinical research and for potential future products.

Eligibility and Conditions

Candidates must hold an internationally-recognized high-level engineering degree (or evidence of its completion in the nearest future) in electronics, telecommunications or a related area.

The candidate should also have:

- Extensive, demonstrated experience in FPGA programming.
- Experience in micro-controller and embedded system design and signal processing.
- Previous experience in opto-electronics, in particular in photodiode design is a plus.
- Medium-high level of written and oral communication skills in English.
- Very good communication and team work skills.
- High sense of responsibility, very good organizational and documentation skills.

ICFO is an equal employment opportunity employer. Candidates are selected exclusively on merit and potential on the basis of submitted application material. No restrictions of persons with disabilities, citizenship or gender apply to ICFO positions. ICFO abides by the principles of openness, efficiency, transparency, supportiveness, and international comparability as stated in the European Charter for Researchers and the European Code of Conduct for the Recruitment of Researchers.

The contract is offered for a period of one year with the possibility for extension up to four years, with full-time dedication. Remuneration according to knowledge and experience provided. Research engineers in the group are encouraged to participate in conference presentations, peer-reviewed publications and patents (in any).

Three references are required.

Application procedure

Suitable candidates are requested to submit, via the corresponding call at jobs.icfo.eu, the following documents:

- Presentation letter with a declaration of interest,
- Curriculum Vitae, including contact details,
- Last degree certificate,
- The contact e-mail of three potential referees.

Candidates may contact jobs@icfo.eu for informal enquiries regarding the application, as well as address scientific enquiries to turgut.durduran@icfo.eu.

For updated information about ICFO, please visit <http://www.icfo.eu/>.

Deadlines

Application deadline: 30th of September, 2019