

Internship in Calibration: 2 months. for -summer 2020

Test Bench development

Company description

Incorporated in 2010 and based in Paris, BioAxial develops and markets breakthrough super-resolution (SR) imaging solutions for the study of live cells and fixed biological samples. Our technology is based on LiveCODIM, a unique beam shaper that combines the best from SIM SR technology with confocal microscopy's point scanning geometry.

BioAxial offers a challenging and agile work environment that promotes creativity. The candidate will be joining a multi-disciplinary R&D team with backgrounds in physics, optics, biology, mathematics, software and system engineering.

Internship description

The purpose is to develop Test Benches on existing project developed with Xilinx Vivado, and look for a way to co-simulate c++ and vhdl part.

This is a project initially developed by sub-contractors, and modified internally, which is already running on our UCodim solution.

The purpose is to help to identify potential robustness issues, and help further development.

Timetable

A tentative schedule of the internship is as follows:

- 1 week of learning the current solution.
- 4-5 weeks to develop test benches
- 1-2 weeks to find a way to co-simulate c++ and vhdl part
- 1 week of documentation

Profile

Education/Experience: The candidate will possess the following combination of knowledge, skills, and experience:

- Student in Engineering with a good knowledge of c/c++ and vhdl, Xilinx vivado and xilinx sdk.
- Strong problem-solving skills.
- Hands-on skills - the internship can be either done at BioAxial or remotely.

Contact:

If you'd like to join our team and also like to be involved in exciting and challenging work in the cutting edge technology, please send your resume to us.

Gabriel Y Sirat

e-mail: gabriel.sirat@bioaxial.com

tel : + 33 (0) 142 382 770

Bioaxial

29 rue du Faubourg Saint Jacques

75014 Paris

FRANCE