

Numerical simulation of optical systems R&D engineer (H/F)

The company:

CAILabs SAS

Website: www.cailabs.com

Address: 38 boulevard Albert 1^{er} - 35200 RENNES



Recruitment manager:

Anne Lozachmeur

cv_isn0417@cailabs.com

The company

Created in 2013, the start-up CAILabs offers innovative photonic solutions thanks to its light-shaping technology. CAILabs develops and commercializes solutions for telecommunication networks, LAN's and industrial laser processes. In 2016, the Japanese operator KDDI set a world record for fiber optic flow using CAILabs' components.

The position

Within the R&D (research and development) department, under the responsibility of the CTO (Chief Technical Officer), you will oversee the development of numerical simulations modeling the optical systems developed by CAILabs.

Your main duties will be:

- Participating in the drafting of new product specifications with the department experts (optical, mechanical, electronic...)
- Developing the necessary numerical simulations for preliminary studies and prototyping for different projects
- Developing numerical simulations for improving product performance and production processes
- Providing the necessary digital support for production
- Providing and updating the documentation of simulations used in production
- Delivering progress reports to the CTO

Profile

Required skills:

- Engineering degree or PhD
- Training and experience in theoretical physics or applied mathematics
- Very strong programming skills
- 3 years minimum professional experience (including PhD if applicable)
- Professional English

Preferred skills:

- Skills in digital propagation of laser beams
- Fluent English

Salary and benefits

- Fast-growing, innovative, photonic start-up
- Young and dynamic team
- Attractive remuneration, based on experience
- Position based in Rennes

Contract: permanent

Start: immediate

Date of offer: 13/07/2017