



## FASTLITE job opportunity: R&D engineer

« **Research and development of Ytterbium-pumped optical parametric amplifiers** »

### Introduction

The company FASTLITE (France, <http://www.fastlite.com>) is looking for a candidate with a background in physics and nonlinear optics for an R&D position. The research and development thematic is:

**“Ytterbium-pumped Optical Parametric Amplifiers.”**

The candidate will perform numerical modeling and will design, develop, assemble optical systems and experiments according to customers' specifications. He/She will also install the systems at customers' sites around the world.

The candidate must have experience with ultrafast lasers and measurement techniques.

The work location is in Antibes (French Riviera, France).

### Company

FASTLITE designs and manufactures scientific instruments for the ultrafast laser community since 1999: acousto-optic pulse shapers, pulse characterization devices, Ytterbium-pumped OPCPAs and customer-inspired tools and solutions. The company now employs 23 people including 9 PhDs and displays a constant growth rate since its foundation. The company has two facilities in France: one in Orsay (south of Paris) and one in Antibes (French Riviera).

### Responsibilities/duties

- ✗ Design and implement complex optical assemblies, e.g Ytterbium-pumped OPCPAs
- ✗ Installation and service of developed systems
- ✗ Perform data analysis and numerical modelling to support experimental efforts
- ✗ Operate and maintain state-of-the-art lasers and optical subsystems
- ✗ Attend international conferences and meetings

### Essentials

- ✗ PhD in Physics (or a closely related discipline)
- ✗ At least three years theoretical/practical experience in ultrafast laser technology, ultrafast measurement techniques or nonlinear optics

- ✗ Willingness to travel worldwide (Europe, US, Asia)
- ✗ Working autonomy
- ✗ Taste for high tech and technical challenges
- ✗ Communication and reporting skills

### Desirable

- ✗ Programming skills in Python
- ✗ Experience with optical parametric amplifiers, high-average-power lasers
- ✗ Experience in designing GUIs (user interfaces)

### Locations

- ✗ Antibes (06600), France

### Duration & Salary

Contract type:	- Open-ended contract (CDI)
Start:	- As soon as possible
Salary	- According to profile
Benefits	<ul style="list-style-type: none"> <li>- 5 legal vacation weeks, plus 22 days (RTT) per year → 47 days off total</li> <li>- Profit sharing (around 1 to 2 month salary per year)</li> </ul>

### Contact

Please send a resume and a cover letter to:

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