



## PhD / TROYES – PARIS, FRANCE (M/F) PhD STUDENT IN OPTICS & PHOTONICS

### 1 OUR MISSION

**We believe in a future where nature and technology could blend, to address the next technological outcomes.** Woodoo is specialized in a groundbreaking material based on the structural transformation of wood at the molecular level. Translucent, tactile and renewable, we are inventing the future of tangible interfaces for the mobility industry and consumer tech. Woodoo has won more than 30 major international and national awards, such as MIT 35 Under 35 European Innovator of the Year, Horizon H2O2O from the European Commission, as well as supported by the French Ministry of Agriculture, Environment, Research & Innovation.

### 2 ACADEMIC

**You will be academically based at the UTT doctoral school and to the laboratory Light, nanomaterials and nanotechnologies.**

The laboratory Light, nanomaterials and nanotechnologies (L2n) aims at the development of nano-optics, which addresses a number of technological, scientific and socio-economic challenges. The L2n is a joint UTT/CNRS laboratory of more than 80 people comprising faculty members, research and project engineers, technicians, post-doctorate fellows PhD students, graduate students and visitors. Researchers at the L2n work on new concepts and approaches, developing both innovative instrumentation and nanocharacterization and nanofabrication methods. The L2n possesses 1000 m<sup>2</sup> of laboratory space including 700 m<sup>2</sup> in clean rooms. The facility platform associated and managed by the L2n is the platform Nano'mat. Nano'mat is part of the CNRS national network of technological platforms RENATECH.

### 3 JOB DESCRIPTION

**In order to optimize our products, we are looking for a PhD student in Optics / Photonics (M / F).**

You will be in charge of the optical characterization and the research for solutions to improve the performance of a new innovative material, the "Woodoo". You will be responsible for setting up the studies and acceptance testing. You will ensure the daily link with various partners (Laboratories, Universities, Industry partners ...). Internally, you will work jointly with the R&D team (Chemistry / Materials) in Troyes (10) and the Mechatronics team in Paris XV (75).



## 4 YOUR QUALIFICATIONS

You graduated with a **BSc or MSc in Optics / Photonics** with exceptional honors distinction. You are creative and an expert in your field with a pioneering spirit:

- Strong optical engineering background
- Expertise and experience in optical system design (display, photometry, instrumental optics, optical characterization of materials, etc.)
- Knowledge of thin film coating design theory and methods
- **Initiative, autonomy, pragmatism** and **interpersonal skills** are part of your DNA
- Analytical approach to problem solving
- Strong communication skills

## 5 FEELING LIKE JOINING OUR TEAM?

Please send us your resume and cover letter to [sebastien@woodoo.com](mailto:sebastien@woodoo.com).

For faster internal processing, please name your documents as the following: Forename Surname\_CV or CL. Feel free to add any miscellaneous document that can support your application. We will make sure to review your application and get back to you within 48h.

**Company:** SAS Woodoo  
**Laboratory:** Laboratory Light, nanomaterials and nanotechnologies  
 L2n, University of Technology of Troyes & CNRS ERL 7004  
**Time & Site breakdown:** 40% (L2n) + 40% (Woodoo Troyes) + 20% (Woodoo Paris)  
**Starting date:** ASAP