

## Post doctoral position: **Epitaxy Research Engineer**

### **Description**

The Center Research for HeteroEpitaxy and Applications (CRHEA), a French academic unit affiliated to CNRS – Côte d'Azur University, opens a **18 months post-doctoral position to support its research activities in Silicon Carbide epitaxy.**

The laboratory is looking for **applicants skilled in epitaxy of semi-conductor materials for being in charge of the development of innovative Silicon Carbide / Silicon heterostructures fabricated by Chemical Vapor Deposition (CVD)**, within the frame of the **RESISTE project**. This project is part of the national Priority Research Programs and Equipment for Research in Electronic (PEPR Electronic), which aims at developing a national sector of sensors operating in aggressive environments.

The Epitaxy Engineer will be part of a local small research team and will be in charge of **the optimization tasks of the SiC growth process**. The epitaxy engineer (she / he) will take also in charge **the related characterizations** (Scanning Electron Microscope, X Rays Diffraction). She / he will be responsible of the technical workflow and will report to the local scientific manager of the RESISTE project. **The epitaxy engineer will be member of the RESISTE research staff**. She / he will directly exchange with other laboratory partners of the project for defining the relevant heterostructure properties in order to fit the requisites of the targeted final application.

### **Salary and conditions**

This position is subject to the French National Agency Research salary rules (≈2200€ net per month after tax for 1-3 years experience after PhD, health insurance included). Full time job (39 hrs/week). Work on site, no home office.

### **Profile and for applying**

PhD degree in Material Science, less than 3 years.

Experience in Chemical Vapor Deposition process.

Experience in surface metallization techniques (Sputtering, Electron beam deposition) within clean room environment is a plus.

Send a cover letter, a detailed CV and references to Dr. Marc PORTAIL, [marc.portail@crhea.cnrs.fr](mailto:marc.portail@crhea.cnrs.fr)

### **About CRHEA:**

**CRHEA** (Centre de Recherche sur l'HétéroEpitaxie et ses Applications) - Rue Bernard Grégory – 06560 VALBONNE, France (<https://www.crhea.cnrs.fr/en/>)