



## **Post-Doctoral Position**

### **Modeling and finite element simulation of nanoreinforced polymer composite**

**Post Status:** 1 year contract, available immediately

**Employer and location:** LSPM (CNRS, University Paris 13), 99 avenue Jean-Baptiste Clément Villetaneuse 93430

**Salary:** standard around 2200 euros net

**Application Deadline:** Open until filled

**Contact:** Pr Mohamed Haboussi, mail : [haboussi@univ-paris13.fr](mailto:haboussi@univ-paris13.fr)

#### **Job description:**

Our main objective in this post-doctoral project is the development of a theoretical and numerical modeling approach in order to describe the mechanical properties of polymer composite material and structures reinforced by CarbonNanoTube. Once the description of mechanical properties achieved, we aim to extend the modeling framework to the electrical and thermal properties and their coupling to the mechanical behavior.

#### **Qualifications:**

The successful candidate must have a Ph. D. in Mechanics of Materials and Structures or in other related discipline. She or He should have a background and interest in continuum and computational mechanics. Candidates with experience in multiscale analysis of heterogeneous/composite materials are strongly encouraged to apply. Knowledge of ABAQUS (and/or COMSOL) and MATLAB softwares and good programming skills within these codes are desired.

Qualified candidates are invited to send their application with cover letter and detailed resume including a list of publications and references to: [\*\*haboussi@univ-paris13.fr\*\*](mailto:haboussi@univ-paris13.fr) or [\*\*haboussi@lspm.cnrs.fr\*\*](mailto:haboussi@lspm.cnrs.fr)