

Synthesis of polymers for composite materials - Post-doctorate offer in Bordeaux (EU Interreg Sudoe Programme)

Location:

Laboratoire de Chimie des Polymères Organiques (www.lcpo.fr), Bordeaux, France, in the team « Polymerization Catalysis and Engineering »

Work in collaboration with Salamanca University, University of Aveiro, Fireice and Plasticos Durex

Project:

The project aims to develop and deliver innovative low-, mid- and high-pressure tanks, based on advanced composite materials and processes. It deals in particular with the synthesis of polymer matrix and formulations based both on epoxy and polyamide for lightweight materials.

The work will focus on polymer synthesis both by step-growth and anionic polymerizations. Nano-objects will be added to the prepared polymers and thermo-mechanical and electric properties will be studied.

Required Skills:

Applicants should hold a PhD in Polymer Science with a solid expertise in polymer synthesis and structural characterization techniques. Knowledge in formulation, fillers and composites is highly desired. Team capability and good skills in English are required.

Contact:

Applications will comprise the names of two references, a CV with a motivation letter and the PhD grade transcript.

Project starting beginning of September 2018 ; Duration: 10 months

Contact: Pr. Stephane CARLOTTI ; carlotti@enscbp.fr ; +33 5 40002734