

Job posting

Type of position



scientific



administrative

Target group



graduates



post docs



other

Title

Marie Curie Initial Training Network "CONTACT" (FP7-PEOPLE-ITN-2008-238363) for the tailored supply-chain development of CNT-filled composites with improved mechanical and electrical properties.
Up-scaling of the production process for construction parts.

Institution

Acciona Infraestructuras S.A. Spain

Position

This subproject will be carried out by one experienced researcher at Acciona Infraestructuras S.A. over a period of 12 months.

The objective of the proposed project is the up-scaling of the production process for construction components made in composite materials with nanomaterial improvements.

Starting date: approx. 1st July 2012

Responsibilities

New manufacturing processes will be developed including efficient processing of CNTs nanocomposites with tailored properties. CNT modified epoxy resin will be used for manufacturing hybrid building structures of carbon and glass fibre reinforced epoxy resins. Validation testing of real construction components or their generic shapes will be carried out at the same loads and demands as in service life.

Requirements

- Experienced researcher (in possession of a doctoral degree or with between four and five years of full-time equivalent research experience, measured from the date when he/she obtained the degree which formally allowed him/her to embark on a doctorate)
- Research experience with polymer, with an understanding of nanocomposites.
- Knowledge of the composite manufacturing processes required for the production of construction parts.
- Knowledge of composite structure designing.
- Team project work.
- Strong technical and good organisational abilities.
- The applicant can be of any nationality except Spain

- The applicant must not have resided or carried out his/her main activity (work, studies etc.) in Spain for more than 12 months in the past three years.

For further details about eligibility, please check the Marie Curie website:

http://cordis.europa.eu/fp7/mariecurieactions/home_en.html

**Application
procedure
(deadline etc.)**

Application deadline: 1st April 2012.

Please send your CV by post or e-mail to the following address, quoting the reference "CONTACT-ACC-ER1":

Contact

Javier Grávalos
Head of Materials Science
ACCIONA R&D

C/Valportillo II, 8
28108 Alcobendas (Madrid)
Tlfn: +34 91 791 20 20
Fax: +34 91 791 21 01

www.acciona-infraestructuras.es