

Fixed term contract (F/M) Research Position

INEGI - Institute of Mechanical Engineering and Industrial Management is offering a research position in the scope of the project **SAESCTN-PIIC&DT/1/2011 NORTE-07-0124-FEDER-000010 – Research Line: Advanced Materials Processing**, funded by QREN.

Summary Project: Development and adoption of new manufacturing processes related to a wide assortment of advanced materials such as aluminum alloys, magnesium alloys, titanium alloys, super alloys, Invar, besides other metallic, ceramic and polymeric materials, encompassing diverse products applications.

- **Required Education, Experience, Skills and Abilities that Applicants must hold:**
- MSc in Mechanical Engineering. Pre-Bologna graduation (5 Years degree) and PhD may be considered;
- Expertise in manufacturing processes and in the development of equipment for vacuum and controlled atmosphere melting and casting ;
- Experience in tool development for investment casting or general molds for composite casting;
- Preferably with experience in rapid tooling development based on additive manufacturing;
- Experience in laboratory handling for investment casting process and microstructural characterization.

Duration: The contract will be celebrated as soon as the hiring process is concluded. This project will last until 30th of June, 2015. However, the activity in this area is foreseen to continue after the completion of this project.

Remuneration: According to the demonstrated experience and capabilities and subjected to INEGI's salary policy.

Application documents:

- i) Motivation letter
- ii) Detailed Curriculum Vitae
- iii) Certificate of Academic qualifications
- iv) Letter of reference

Selection Method and Evaluation Criteria: A pre-selection will be done based on the documents sent by the candidates. The pre-selected candidates will be convoked to an interview. The main criteria will be

the scientific merit, the adequacy of the candidate profile to the project, the motivation and the professional experience relevant for the project.

Period of Application: Documents should be sent by e-mail or by normal mail and should be submitted until 25 October and 24 November 2013 to:

INEGI - Human Resources Services
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