

SENIOR RESEARCHER OF POLYMERS AND COMPOSITES FOR ADDITIVE MANUFACTURING [Ref.: 01 08/23]

Main duties:

- + Research leadership of R&D projects in the field of Additive Manufacturing of polymers and composites: definition of experimental plan, tracking of manufacturing-characterization-testing campaigns and analysis, personnel and resources management, writing of technical reports, mitigation plans definition, etc.
- + Continuous update on the State of the Art related with polymers and composites applied to Additive Manufacturing processes (mainly Fused Filament/Pellet Fabrication – FFF/FPF, high-performance polymer based composites, continuous fibre reinforced, biobased, etc.).
- + Congresses and dissemination events attendance.
- + Collaboration on writing National and European proposals: definition of technical objectives, work plan and partners searching.
- + Collaboration on the strategy definition of the Additive Manufacturing group.

Required education:

- + Degree in Materials Engineering, Chemistry, Physics, or any other that contains training in polymers/composites materials.
- + Highly valued PhD in the field of polymers / composites and Additive Manufacturing.

Required skills:

- + Expert on Thermoplastic Polymers and Composites, deep knowledge on their properties, manufacturing processes and characterization (Mechanical, Thermal, Physical - Chemical testing)
- + Knowledge on Additive Manufacturing technologies of Polymers and Composites, mainly FFF/FPF.
- + Experience in R&D projects: international, large scale and collaborative.
- + Advanced English with capacity for: oral and written communication, elaboration of European proposals, Networking, elaboration of articles, etc.
- + MS Office tools (Word, Excel, Power Point)
- + Available to travel.
- + Driving license and own vehicle.

Desirable skills:

- + Experience in elaborating European project proposals (HORIZON EUROPE, CLEAN AVIATION, EUROSTARS, etc)
- + Knowledge of European networks focused on materials and manufacturing processes.
- + Knowledge on digitization, automation and robotizing of polymer/composites manufacturing.
- + Expertise in design, calculation and simulation tools in the field of composites.

We offer:

- + Joining a solid and prestigious organisation, in continuous development. Aimen is a Technology Centre formed by more than 275 high-skilled professionals with a strong relationship with relevant industry (automotive, aviation, naval, energy, chemical and petrochemical, textile and environment).
- + Working in a multidisciplinary and collaborative environment contributing to your personal development (knowledge and skills).
- + Training Plan in the fields of specialization.
- + Immediate incorporation.
- + Retribution according to professional experience and expertise level.
- + Location: O Porriño (located some 25 km from Vigo, excellent communications to Vigo Airport, Santiago and Porto; and good communication with the AVE train network.)

Contact:

If you are interested, please fill the application form and attaching your C.V, (CV_Surname_First name.pdf) through our website: www.aimen.es



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