

Company Description

CIDETEC is a Technology Centre that brings together three leading international centres in the fields of Energy Storage, Surface Engineering and Nanomedicine. For more than 25 years, we have been working with leading companies to develop technology that makes the world a better place.

Information

 Deadline: 2024-05-25
 Category: Business
 Province: Gipuzkoa

 Country: Spain
 City: San Sebastian

Company

CIDETEC

cidetec
a greater future today

Main functions, requisites & benefits

Main functions

CIDETEC Surface Engineering is looking for a person to join Coatings and Surface Treatments Unit, with expertise in tribology and tribocorrosion that will contribute to addressing major challenges in response to both industrial demands and European programmes. If you want to be part of this revolution, we are waiting for you! CIDETEC is an international leader in research and innovation related to surface engineering in the fields of Coatings and Surface Treatments, Polymers and Composites, and Nanosurfaces. We specialise in the treatment of surfaces and materials with state-of-the-art technologies. The researcher will work in activities related to the development of R&D projects focused both in basic research and industrial development in close contact with the most prominent companies in sectors such as aeronautics, automotive and energy. Your contribution: You will join a cutting-edge research centre, focused on sustainability and circular economy, which has spent years understanding and revolutionising the surfaces of components, from those we touch every day in our homes or our vehicles, to the most demanding materials for sectors such as aeronautics and energy. You will work on research and/or company transfer projects, carrying out your work in such a way that you are able to pursue several research lines simultaneously, optimising resources and maximising results. Your work will focus on the following activities: To reinforce and promote the tribology and tribocorrosion research line. To manage and implement R&D projects. To analyze results, draft reports and prepare presentations. Direct interaction with clients. To write scientific articles. European, national and regional proposals preparation.

Requisites

Education: PhD in Materials Science or Engineering, Mechanical Engineering or equivalent. Languages: Fluent in spoken and written English. Knowledge: The successful candidate will demonstrate a sound knowledge in tribology and tribocorrosion and in particular: Solid knowledge in the main wear mechanisms of both bulk materials and coatings. Solid knowledge in the main tribocorrosion mechanisms. Experience on wear testing at different temperatures and on tribocorrosion testing. Knowledge in materials and coatings characterization techniques (XRD, FESEM, profilometry, confocal microscope, etc.). Knowledge and experience of the following will be considered a plus: Knowledge in corrosion evaluation through both accelerated weathering tests and electrochemical techniques. Knowledge in mechanical properties evaluation of bulk materials and coatings. Work experience both in academic and industrial sector. Work experience in different countries. Knowledge of other foreign languages. Observations: A highly motivated person, with a keen interest in research and innovation, you will join a multidisciplinary team. You will be able to organise your work, meeting both the deadlines and the established objectives. Problem-solving capacity and scientific criteria. Good communication skills, both verbal and written.

Benefits

At CIDETEC you will be able to develop your career alongside a team of top-level professionals, in a young yet committed