



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin



1 PD Position Available in Trinity College Dublin

The [Computational Catalysis and Energy Materials](#) (CEEM) group, led by Prof. Max García-Melchor, is seeking a postdoctoral researcher with experience in periodic DFT modelling and machine learning algorithms. The post is available from January 2021 (or soon thereafter) and the contract is for 4 years (renewed every year).

Project Description

The project will involve the use of state-of-the-art computational methods and machine learning algorithms to accelerate the design of cost-effective water oxidation electrocatalysts to produce green hydrogen. This research will be conducted in the CCEM group, an international and dynamic research team based in the School of Chemistry of Trinity College Dublin (Ireland). The successful applicant will be expected to contribute to the training and supervision of undergraduate/postgraduate students and present their research at group meetings, seminars, and scientific conferences.

Eligibility Criteria

The ideal candidate will have a PhD in Chemistry, Physics, Computational Chemistry, Nanoscience, Chemical Engineering, or related discipline. Good programming experience and excellent oral and written communication skills in English are required. Applications from female candidates and those from under-represented backgrounds are encouraged. Trinity College Dublin is an equal opportunities employer and is committed to the continued development of employment policies, procedures and practices which do not discriminate on grounds such as gender, civil status, family status, ethnicity, age, disability, sexual orientation, religion, or membership of the Travelling community.

How to Apply

A one-page cover letter, CV, and contact details of two academic references should be emailed to Prof. García-Melchor (garciamm@tcd.ie). Shortlisted candidates may be interviewed virtually.

This position will remain opened until filled. The preferred start date is **January 2021** or shortly thereafter, although there is some flexibility. Only short-listed applications will be acknowledged.