Job Offer - Postdoc position FEM modelling of electrochemical processes

Description

SURF group is looking for a postdoctoral researcher with expertise in electrochemical modelling in the field of (atmospheric) corrosion and batteries based on Finite Element Modelling (FEM). You will work in close contact with industrial partners (producers and users of corrosion protection layers) and from research centers, with diverse backgrounds: software development, electrochemistry research (experimental and modelling), artificial intelligence, ... enabling the postdoctoral candidate to also develop his/her interdisciplinary skills.

The research will be performed at SURF research group at the Vrije Universiteit Brussel in Belgium. SURF has a long and fruitful tradition of combining both modelling and experimental approaches in electrochemistry. By combining both fields, advances in fundamental and applicable knowledge are gained which would otherwise be impossible.

Requirements

The postdoctoral candidate should have successfully completed a master's degree and a PhD in engineering, physics, chemistry or equivalent. A strong interest in finite element modelling and (basic) programming is paramount, as is experience with commercial FEM tools.

As we are an international research group (Research group SURF – Electrochemical and Surface Engineering- as part of the Dept. Materials and Chemistry (MACH)) with people from all over the world, uniting all languages and cultures in one large community, we are looking for researchers that can work together in a very dynamic team, open minded, fluent in English communication and willing to contribute to the engineering education programs. The University has its own unique identity, so I invite you to look at the VUB website.

The project is a 1-year project, with an option for extension based on project availability and workload.

You are welcome to send you CV including your academic track record (courses and scores) to professor Tom Hauffman (tom.hauffman@vub.be).

Prof. Dr.ir. Tom Hauffman

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