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Project: OLiBat
Area leader: Prof. Joan Ramon Morante
Group: Energy Storage, Harvesting and Catalysis
Group leader: Prof. Joan Ramon Morante

Researcher Position in cathode material synthesis and characterization

The **Energy Storage, Harvesting and Catalysis Group** announces a new postdoctoral position to work in the OLiBat project "Stable olivine cathode materials with high specific energy for solid-state batteries" funded by MCIN/AEI/EU "NextGenerationEU/PRTR". The project is committed to the fabrication of solid-state batteries using 3D printing. The candidate will focus on the cathode component, characterizing its structure and physico-chemical properties including surface area, particle size, electrical properties, and electrochemistry in half- and full-cell. The project also involves deposition of thin (protective) coatings using ALD aiming to simultaneously enhance electrode cycle life and kinetics.

We are looking for an excellent and highly motivated candidate to join these activities. Therefore, the candidate should have a degree in chemistry or a PhD in Materials Science or similar, and a strong background in material characterization including electrochemistry. Previous experience in surface engineering or thin film fabrication will be valued positively. The candidate should have good communication and project management skills, and she/he must be fluent in English, results-oriented and a team player. It is expected that relevant project results to be published in high-impact journals.

What we offer:

We offer a 1-year contract starting November 2023. The salary will be paid in accordance with the IREC's salary policy, depending on the candidate's qualifications and professional experience.

Application:

Applicants must send a detailed Curriculum Vitae and a motivation letter by email directly to irecjobs@irec.cat (with copy to Dr. Jordi Jacas, jjacas@irec.cat) indicating "Ref.----- OLIBAT Project"

Deadline for applications: 25 October 2023