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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 LiFePO₄ olivine synthesis and characterization

The **Energy Storage, Harvesting and Catalysis Group** announces a new postdoctoral position to work in the framework of 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 synthesising and characterising olivine-based materials via sol-gel synthesis. The as-prepared materials will be characterised using a large spectrum of techniques, including XRD, SEM and impedance spectroscopy. The selected materials will be tested in coin cells using standard electrolytes. The consortium will investigate material processing conditions for solid-state battery fabrication.

We are looking for an excellent and highly motivated candidate to lead these activities in the OLiBat project. Therefore, the candidate should have a degree in chemistry or a PhD in Materials Science or similar. Previous experience in sol-gel synthesis will be highly valued.

In addition to the work described above, the candidate will summarise results in deliverables and oral presentations for the consortium and coordinate activities with other partners and IREC groups. Therefore, the candidate should have good communication and project management skills, and she/he must be fluent in English, results-oriented and a team player. Relevant project results will be published in high-impact journals.

What we offer:

We offer a 2-year contract starting January 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.105/2022 OLIBAT Project"

Deadline for applications: 28/12/2022