

PHD OFFER IN SPAIN

«SULFIDE SOLID ELECTRODES FOR ALL SOLID-STATE BATTERIES»

Location: Institute of Ceramic and Glass (ICV), Madrid, Spain

Funded by: The Spanish National Research Council (CSIC), <https://www.csic.es/en/csic>

Supervisor: Dr. Carolina Rosero-Navarro

Description

Design a new generation of solid electrolytes by the liquid-phase process with synergistic properties, in terms of conductivity and chemical-electrochemical stability.

The final aim of this PhD is to obtain solid electrolytes and batteries with adequate performances. This includes an optimization of solid electrolyte, composite electrodes, interfaces and electrochemical characterizations.

This project will be mainly based at the Glass department of ICV-CSIC and within the active collaboration of national and international networks (Japan, USA, etc.).

Qualifications

> Candidates should have a degree in Materials Chemistry, Electrochemistry or related.

Conditions of Ph.D. contract

> one-year contract up to three-years. Starting: September 2022 (or shortly afterwards).

PhD. taxes covered by student. PhD program at University Autonoma of Madrid.

About the lab

> Glass department of ICV-CSIC is an interdisciplinary group working on design, processing and characterisation of glasses, glass-ceramics and sol-gel materials, going from the structural features to properties and applications. <http://glass.icv.csic.es/>

How to apply?

> For project details and informal discussions, please contact Dr. Carolina Rosero-Navarro (rosero@icv.csic.es, karolrosero@gmail.com).

To apply, send a two-page CV including score and name of reference (one at least).

> **Apply before August 15th 2022**

Keywords: solid state electrolytes, material science, PhD chemistry, batteries, energy storage