

PostDoctoral Position

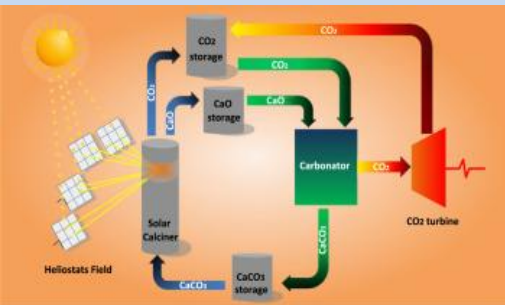
Solar Calcium-looping Integration for Thermo-Chemical Energy Storage



The Reactivity of Solids Group at the ICMS is looking for a Post-doctoral Researcher to perform applied research on ThermoChemical Energy Storage (TCES) within the framework of the H2020 SOCRATCES project. We are offering a 12-24 months contract and advantageous professional development opportunities.



The Calcium Looping process (CaL), based upon the reversible carbonation/calcination of CaO/CaCO_3 , stands as the most promising system for integrating TCES with Concentrated Solar Power (CSP) plants. However, in order to fully develop the huge potential of the CaO/CaCO_3 system to store energy, new avenues are to be explored in order to improve the recyclability of the chemical system.



The candidate will perform tests at lab scale using different materials and operation conditions that will be tested in a large scale prototype to be constructed in Seville with in the frame of this project. He/she will also participate in elaborating assigned deliverables within the framework of the H2020 project.

The candidate is also expected to help in writing articles for publishing in high impact journals with the most relevant results.

REQUIREMENTS: The candidate should be able to work independently and as part of a team, in collaboration with other groups, technical centres and industries. He/she should also have good verbal and written communication skills in English.

APPLICATION: Send CV, pdf of degree records with grades and references if possible to:

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