TÉCNICO LISBOA

Post-Doctoral Position in plasma decomposition of CO_2, IPFN, IST, Universidade de Lisboa, Portugal

Applications are invited for a Post-Doctoral Research position within the N-PRiME group of IPFN, Instituto Superior Técnico, Universidade de Lisboa, Portugal, in the framework of project PARADiSE.

PARADiSE consists of a thorough theoretical, modelling and experimental investigation of plasma decomposition of CO_2. The work will be done in close collaboration with several foreign laboratories, that will conduct a series of measurement campaigns tailored to the needs of the project.

By its end the investigation will unveil the mechanisms underlying plasma CO_2 dissociation, identify the optimal conditions for a plasma reactor to operate and produce a proof-of-concept prototype, paving the PlasmA RoAD to Solar fuEls (PARADiSE).

The post is offered on a full-time, for 1 year, with a possibility for extension up to 18 months. The start of the position is September/October 2023, but can be flexible. There will be excellent flexibility within the post to investigate various aspects of CO_2 plasma conversion.

The person should have a PhD in plasma physics, engineering physics, materials engineering, or similar fields. It is desirable that the person has experience in plasma modelling, or a demonstrated aptitude for learning new fields of research. Additionally, a strong track record of high-quality journal publications is an advantage.

Applications deadline: 30 June

How to apply:
https://ist-id.pt/files/sites/43/bl148-ist-id_enpdf-636kb.pdf

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