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CCHEN invites you to join its team of researchers

Recently, researchers from the Chilean Nuclear Energy Commission (CCHEN) were awarded CONICYT funds to develop research projects covering interesting and relevant topics for the sustainable development of our country.

One of these projects will be led by the Department of Nuclear Sciences, seeking to produce lithium (Li), sulfur (S) and carbon (C) nanoparticles, for high energy density storage. These nanoparticles will be generated from supersonic expansion processes of a thermal plasma produced by a plasma torch.

Precisely, to support the development of this initiative, we are looking for a postdoctoral researcher for a period of 24 months (total duration of the R&D project). The researcher will be required to participate in:

- Experiment Design
- Operation and maintenance of a plasma torch
- Data acquisition and analysis
- Electrical and spectroscopic diagnostics development
- Synthesis of nanoparticles
- Characterization of nanoparticles
- Communication of results to the project team

Who can apply?

We are looking for a candidate holding Ph.D. in physics, chemistry, engineering or related disciplines. It is an exclusive requirement that the degree was obtained within the five years prior to October 2019.

Experience in the synthesis of nanoparticles, plasma material processing, plasma application for material modification and characterization of materials by various techniques will be valued (SEM, TEM, XRD, among others) will be valued. It is also preferable to have knowledge in the synthesis of lithium (Li) nanoparticles.

Application deadline: Tuesday 17, September 2019 (23:59 CLT)

Any candidate holding a Chilean RUT number has to apply through the “Empleos Públicos” website ([Click here](#)). Any other candidate that does not have a Chilean RUT, must apply by sending a CV and a copy of the doctorate certificate to the following mail: dian@cchen.cl

We are waiting for your application!