

Application guidelines

2025 Postdoctoral Application - ANID Anillo Research Project N. ATE230035

The call aims to hire **1 Postdoctoral Researcher** who is going to work in the Anillo Project ANID/ATE230035, named “Sea Harbor Operations with Renewable Energies (SHORE)”, led by **University of Chile and University Andres Bello**, carrying out research aligned with the project framework. More details about the SHORE project are available in the document attached to this call.

Duration:

The duration of the contract will be annual, renewable until the end of the project (2 years), subject to performance.

Benefits:

The Postdoctoral Researcher contract considers the payment of CLP \$2,222,000- before taxes per month (CLP \$26,664,000 annual gross salary).

Successful applicant duties:

The SHORE Project Postdoctoral Researcher hired under this call must:

- Submit at least one WoS scientific journal article (Q1 or Q2) yearly for the duration of the contract. Notice that this is the bare minimum.
- Apply for the ANID Fondecyt Postdoctoral project during the first year of the contract.
- Participate in all the dissemination and outreach activities considered in this project for this position.

Applicant Requirements:

- Availability to work full-time in Santiago (Chile), at the University of Chile and University Andres Bello.
- Availability to travel within Chile and abroad, whereas necessary for the project execution.
- Not having full-time employment or having another postdoctoral subsidy during the duration of the contract.
- Having Chilean nationality or residency, fulfilling all the requirements of the Chilean immigration law.
- To have a PhD degree in Electrical Engineering or similar by the start of the contract.
- Demonstrate scientific productivity in Q1 and Q2 journals in the last 5 years.

Mandatory Knowledge and Skills:

- Excellent oral and written English communication skills, including communicating adequately when discussing complex information.
- Demonstrable skills (in the form of published work and PhD thesis) in Electrical Engineering or similar.
- Analytical ability to facilitate conceptual thinking, innovation and creativity.
- Ability to do independent research within the context of a team.
- Computer programming skills in Matlab, Python or similar.
- Experience designing experiments in electrical engineering.

Desired Knowledge and Skills:

- Experience in hydrogen-based generation of electrical energy and hydrogen-based storage systems, Power Electronics, Microgrid Control, and Renewable Energies.
- Microcontrollers and FPGA programming.
- PCB circuit design.

Required Application documents:

- A cover letter explaining the interest in participating in the SHORE project, stating how the applicant's experience, and achievements are related to the project.
- Curriculum Vitae, including academic and professional experience, publications list, participation in conferences and other projects. It is strongly recommended that the candidate provides research output links to ORCID, WoS, Scopus and Google Scholar, etc., showing their productivity.
- Two reference letters have to be provided. They have to be sent directly to jesus.cardenas@uchile.cl and coahumad@uchile.cl.
- Copy of PhD Degree Certificate or certificate stating the date of the viva examination.

An interview will be conducted with the preselected candidates.

Evaluation of Applications:

The Evaluation Committee is composed of the main research team of the SHORE Project. The applicants will be selected and ranked considering the following criteria:

- 1.- Academic Background and Research = 50%
- 2.- Relevance of the research area and relationship with the SHORE project = 20%
- 3.- Interview = 30%

Each point will be graded on a scale from 1 to 5, with 1 being considered a poor evaluation and 5 an excellent evaluation. The applicant with the highest scores will be selected to occupy the position of Postdoctoral Researcher of the SHORE Project. A minimum application score of 3.5 is required for the application to be successful.

Submitting an application:

All application documents must be sent to jesus.cardenas@uchile.cl and coahumad@uchile.cl by email, specifying in the email subject: "Application to Postdoctoral position - ATE230035 – Name of the Applicant". Applications must be submitted in English.

Important dates:

Applications deadline: **27th of January 2025.**

Contacts:

For more information about the project and the Postdoctoral please contact:

Director: Roberto Cárdenas Dobson - jesus.cardenas@uchile.cl

Vicedirector – Constanza Ahumada - coahumad@uchile.cl