



PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
ESCUELA DE INGENIERÍA
DEPARTAMENTO DE INGENIERÍA ELÉCTRICA

CALL FOR POSTDOCTORAL POSITION 2

Objectives:

The Department of Electrical Engineering at the Pontificia Universidad Católica de Chile has a postdoctoral position available in the context of the Anillo project ACT192013: “Cyber-physical systems for smart mining: Industrial electronics 4.0 and data-driven process control”, with starting date: January, 2021.

Applications are received in the areas of power electronics and control systems, with emphasis in any of the following applications: microgrids, fault detection in power converters, control of power converters and mining ac drives.

Benefits:

The postdoctoral position will be awarded for an initial period of 12 months, renewable up to 24 months, and consist in a monthly gross salary of CLP\$1.800.000 (~ 2.000 USD).

Requirements to apply:

Applicants must fulfill the following requirements:

1. Hold a Ph.D. degree from a reputed higher education institution, measured by inclusion of the institution in international rankings.
2. Demonstrate scientific productivity in peer-reviewed journals indexed by the Web of Science in the last 5 years, adding one extra year per child, for female applicants.

Documents:

Applicants interested in the positions are invited to submit the following documents:

1. Up to date CV, including educational degrees and a complete list of indexed publications.
2. A research statement indicating a clear research proposal to be developed in the context of the Anillo project. This document has a maximum length of 2 pages.

All the documentation must be emailed to Prof. Javier Pereda jepereda@ing.puc.cl with subject: “ACT192013: Postdoctoral Application”.

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Restrictions and Obligations:

1. Foreign researchers are required to obtain a temporary work visa before their starting date.
2. At the beginning of the postdoctoral project, foreign researchers must demonstrate local access to health insurance either from a Chilean or an international provider.
3. The postdoctoral researcher should apply, to the national FONDECYT Postdoctoral competition 2022 during 2021 call.
4. The postdoctoral researcher is expected to have submitted at least one publication as main author to a journal indexed in the Web of Science during the initial 12 months. Failure to comply with this obligation will preclude eligibility for renewal.

Evaluation:

Applications will be evaluated by a committee formed by the main researches of the Anillo project and a member of the Direction of Research from the School of Engineering, based on the following criteria:

1. Academic and research accomplishments (CV and rankings of attended institutions): 50%
2. Research proposal (statement of research): 30%
3. Personal interview with the committee: 20%

Each criterion will be graded, in 0.5 point increments, using the following scale: 1 (deficient), 2 (average), 3 (good), 4 (very good), and 5 (excellent). Applicants will be ranked according to their final scores and the top two will receive funding, provided they receive a final score over 3.5.

Important Dates:

- Application deadline: November 20th, 2020.
- Results: mid December, 2020.