



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

CALL FOR POSTDOCTORAL POSITIONS

Objectives:

The Department of Electrical Engineering at the Pontificia Universidad Católica de Chile has available two postdoctoral positions 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: March, 2020.

Applications are received in the broad area of applied industrial cyber-physical systems, with emphasis in applications to power electronics and smart-grids.

Benefits:

The postdoctoral positions will be awarded for an initial period of 12 months, renewable up to 33 months, and consist in a monthly gross salary of CLP\$1.800.000.

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 3 pages.

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



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Restrictions and Obligations:

1. Applicants must have been awarded the Ph.D. degree within the period 1-2017 to 1-2020.
2. Foreign researchers are required to obtain a temporary work visa before their starting date.
3. At the beginning of the postdoctoral project, foreign researchers must demonstrate local access to health insurance either from a Chilean or an international provider.
4. The postdoctoral researcher must apply to the national FONDECYT Postdoctoral competition 2021. Failure to comply with this obligation will preclude eligibility for renewal after the initial 12 months.
5. 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): 40%
2. Match of research interests and topics of the Anillo project (statement of research): 40%
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: February 23rd, 2020.
- Application results: From February 28th, 2020.