

Associate Professor

Ecole/Institution/Société:

School of Engineering, Chile / Santiago

Discipline:

Mechanical Engineering

Type d'emploi::

Full-time

Date de publication:

2025-02-23

Personne à contacter:

If you wish to apply for this position, please specify that you saw it on AKATECH.tech

Faculty Position in Energy And Thermal Systems

Job description

Tipo de planta académica: Regular Academic Track

Employment: Full time

The School of Engineering at UC Chile, one of the leading engineering academic institutions in Latin America, invites outstanding candidates for a full-time faculty position in the area of Energy and Thermal Systems at the Mechanical Engineering Department. Although this call is initially intended for candidates at the Assistant Professor level, exceptional applications at the Associate Professor level are also welcome.

The position we are offering focuses on the disciplinary aspects of Mechanical Engineering related to Thermal and Energy Systems, ideally from a thermodynamic perspective with a clear relation to energy conversion processes in technological devices. The research developed will be complementary to the energy-related positions that currently exist in the Mechanical Engineering.

Examples of possible topics of interest for this position are (but not limited to) generation and utilization of thermal energy, power generation systems either based fuels or renewable energies, production and use of synthetic fuels, instrumentation and control of thermal systems, renewable energy technologies, introduction of efficient thermal technologies to industrial processes, hybrid systems, and others. The focus of the position is the energy conversion and utilization chain from the study of energy resources, conversion technologies, to the use of thermal energy in industrial processes or other energy utilization applications in society.

Duties: Applicants are expected to conduct high-quality teaching -at both engineering undergraduate and graduate levels- and conduct independent research on one or more of the topics suggested in the previous paragraph. Additional duties include consulting with industry, knowledge transfer, outreach, student counseling and university administrative tasks.

Equal opportunity employer

EEO/AAP Policy Statement

UC Chile is committed to providing equal employment opportunities, fostering an inclusive, diverse and fraternal community, and promoting the academic development of women and men.

Other Chilean and University employment benefits may be found in:

Foreign workers in Chile

University rules and regulations

Qualifications

Applicants must have earned a Ph.D. degree in Mechanical Engineering or similar disciplines at the time of hiring.

Due to the nature of our School, the applicant will join the Mechanical Engineering Department although it is expected to work collaboratively with the UC Energy Center and other academic departments at the School of Engineering.

Previous postdoctoral or international academic experience should be stated in the application.

Candidates do not need to be fluent in Spanish at the time of application but should be prepared to learn the language well enough to teach in Spanish in the short term (two years maximum). Fluency in English is a requirement.

Applicants must demonstrate a strong commitment to all aspects of academic life and public good of the institution. They must be highly motivated to continuously improve their teaching skills, have a genuine interest in getting involved with our graduate programs (specially the doctoral program) and be able to develop and maintain an active research agenda leading to high quality publications,

securing research grants, generating and participating in interdisciplinary projects, leading scientific and industry-liaison initiatives, strengthening and creating national and international academic networks, etc.

The candidate will also be expected to create new undergraduate and graduate courses and teach traditional courses in related areas.

If selected for the position, foreigners that apply from abroad must obtain the appropriate visa in their country of residence, to join the University faculty.

Required documents

Applicants should submit the following documents to vacantes-academicas@ing.puc.cl (in the email subject line, please indicate: Faculty position in Energy and Thermal Systems; see note A) by December 15th, 2024 (late applications will be considered until the position is filled).

A research statement (in English) indicating the immediate and long-term goals of the applicant's research plan and detailing potential collaboration networks with other researchers and plans for interactions with scientists in Chile and other countries.

A teaching statement of purpose (in English) indicating why the applicant should be considered for the position and the plans for teaching.

The applicant should be as specific as possible by providing examples of the plan to transfer knowledge to undergraduate and graduate students.

An updated curriculum vitae (in English, see note B).

If available, copies of five recent Web of Science publications that are relevant to the context of the application (see note C).

At least, three letters of recommendation, which must be e-mailed directly by the signatories to vacantes-academicas@ing.puc.cl.

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