

Faculty Position in Digital Mining
Pontificia Universidad Católica de Chile

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Posted Jun. 26, 2025, set to expire Aug. 31, 2025

Job Title	Faculty Position in Digital Mining
Department	The Department of Mining Engineering at the Pontificia Universidad Católica de Chile https://www.ing.uc.cl/mineria/
Institution	Pontificia Universidad Católica de Chile Santiago, Región Metropolitana, Chile
Date Posted	Jun. 26, 2025
Application Deadline	Aug. 31, 2025
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Mining/Minerals
Job Website	https://www.ing.uc.cl/trabaja-con-nosotros/areas-to-apply-2/
Apply Online Here	https://tinyurl.com/2s3s6e2d
Apply By Email	
Job Description	

The [School of Engineering](#) at the [Pontificia Universidad Católica de Chile](#) (UC), one of the leading engineering academic institutions in Latin America, invites outstanding candidates for a full-time faculty position in the area of **Digital Mining** at the **Department of Mining Engineering**. Although this call is initially intended for candidates at the Assistant Professor level, exceptional applications at other levels are also welcome to apply.

Duties: High-quality research and teaching in engineering at both the undergraduate and graduate

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levels. Additional duties include knowledge transfer, outreach, student counseling, and university administrative tasks. The appointee is expected to develop and maintain a vigorous externally funded research program and teach at the undergraduate and graduate levels in the UC Mining Engineering program. Supervision of graduate students and service to the department, university, and broader disciplines are also expected. Knowledge of the mine-to-market value chain in mining operations is desirable. Our priority is to enhance current expertise in the mining industry and with the capacity to develop research and teaching in mining, incorporating information and communication technologies, artificial intelligence, automation, data analysis and other advanced digital tools. In particular, it is expected to have experience in the area of mining operations (activities related to the extraction and/or processing of minerals), an area that must incorporate the technologies and methodologies of Digital Mining, which would allow for more efficient, safe and sustainable mining operations.

Requirements: Applicants must have earned a PhD degree in engineering sciences or related areas with experience in Digital Mining applied to any of the areas of the mining industry, including but not limited to mining engineering, mining operations, mine planning and design, mineral resource modelling or geometallurgical modelling. Given the collaborative nature of our School, the successful candidate should be enthusiastic about working closely with departments and research groups that align with the focus of this position. Applicants are encouraged to highlight any prior postdoctoral or international academic experiences in their application, showcasing their dedication to advancing their expertise in the field. 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 (especially 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 selected 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.

Application instructions

Applicants should submit their application through the website: <https://tinyurl.com/2s3s6e2d> by **August 31th, 2025**

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(late applications will be considered until the position is filled). Please select **Faculty Position in Digital Mining** in the application form and consider that you will be required to provide the following information:

1. 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.
2. 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.
3. An updated curriculum vitae (in English, see [note B](#)).
4. If available, copies of five recent Web of Science publications that are relevant to the context of the application (see [note C](#)).
5. At least, three letters of recommendation, which must be e-mailed directly by the signatories to facultypositions.ing@uc.cl.

Note A:

The applicant will get a response from this email address confirming that the documents have been received.

Note B:

The CV must be organized as follows:

- i. Personal information: name, address, contact telephone number (with country and city codes), email address, web page (if any).
- ii. Education: all academic and professional degrees, indicating the granting institutions and dates. If the applicant is currently enrolled in a doctoral program, please indicate the expected date for the degree.
- iii. Educational experience (university or institution, courses taught and years).
- iv. Professional experience (employer, duties, years).
- v. Research:

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- a. List of Web of Science journal publications (see [note C](#)).
- b. List of other publications such as reports, books or book chapters, conferences attended, research projects participated in, patents, etc.
- vi. Other: awards, computer skills, languages, and any other relevant background information.

Note C:

Please avoid padding the list with other publications, such as those published in journals not indexed in the Web of Science database, conference presentations and alike.

Once the complete set of application materials has been received, the applicant will be contacted within two months after the application deadline and informed whether the application has been accepted for further consideration. If this initial screening is successful, the candidate will be asked to continue the process following the steps described in **Appendix 1**.

Further information

Additional information can be obtained by emailing the Department Chair, Dr Carlos Marquardt, e-mail cmarquardt@uc.cl. For assistance with the online application form, please send an e-mail to: facultypositions.ing@uc.cl.

EEO/AA Policy

The Pontificia Universidad Católica de 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: <https://www.dt.gob.cl/portal/1626/w3-article-93693.html>
- University rules and regulations:
http://direcciondesarrolloacademico.uc.cl/index.php?option=com_content&view=article&id=286&Itemid

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All members of the Pontificia Universidad Católica de Chile subscribe the Code of Ethics that can be found in <https://www.uc.cl/codigodehonor>.

Appendix 1. Application steps

1) Interviews/Seminar:

- a. Interview with the Dean of the School of Engineering
- b. Interview with faculty members of the Department of Mining Engineering
- c. Interview with the Selection Committee
- d. Psychological Interview
- e. Seminar (open to faculty members of the School of Engineering)

The interviews and seminar are generally carried out within a week.

- 2) Selection of the final candidate by the Department and the Selection Committee
- 3) Ratification of the selected candidate by the School Council
- 4) The selected candidate is informed (offer letter)

The time that elapses from the interviews until the final resolution is typically around two months.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Facultypositions.ing@uc.cl
The Department of Mining Engineering at the
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Pontificia Universidad Católica De Chile
Santiago, Región Metropolitana

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Chile

Contact E-mail facultypositions.ing@uc.cl