



PONTIFICIA
UNIVERSIDAD
CATÓLICA
DE CHILE

135
años
Comprometidos
con Chile

FACULTY POSITION IN COMPUTER SCIENCE FOR SUSTAINABLE DIGITAL TRANSFORMATION

The **School of Engineering** and the **Institute for Sustainable Development (IDS)** at **Pontificia Universidad Católica de Chile (UC)**, one of the leading academic institutions in Latin America, invites outstanding candidates for a full-time faculty position in the area of Computer Science for Sustainable Digital Transformation. This is a joint appointment position at the Department of Computer Science in the School of Engineering and the IDS. The position is partially funded by the UC Endowment Program through the Entel Endowed Chair for Sustainable Digital Transformation. Although this call is initially intended for candidates at the Assistant Professor level, exceptional applications at the Associate Professor level are also welcome.

Duties

High quality teaching (at the undergraduate and graduate levels), and conducting independent research. Additional duties include knowledge transfer, outreach, student advising, and university administrative tasks. The selected applicant should conduct research and teaching in topics such as Information Systems for Sustainable Development, Sustainable Digital Transformation, Digital Innovation for Sustainability, Sustainability of Digital Technologies, Sustainable Digital Government, among others.

Teaching

At the undergraduate level, the candidate should develop teaching activity at both the Department of Industrial and Systems Engineering and the IDS. In particular, the course at the IDS should cater to students from various disciplines and programs at UC. At the graduate level, the candidate is expected to teach an advanced course related to his or her research background. A successful applicant would teach three courses per year, and advise Master and PhD students at the School of Engineering, and eventually at the IDS.

Research

The selected candidate is expected to apply to national and international research grants, and publish in high quality journals. Additionally, a successful applicant is expected to work together with researchers from engineering, as well as from other fields, such as social science, economics, management, or natural sciences, that can enhance the activity related to research lines of the IDS.

Knowledge transfer

Carrying out applied projects with public and private entities is desirable.

Requirements

Applicants must have earned a Ph.D. degree in Information Systems or Computer Science with emphasis on Sustainable Digital Transformation, at the time of hiring. Due to the nature of the position the applicant will have the opportunity and should be willing to work collaboratively with other Departments in the School of Engineering and the IDS in areas such as Sustainable Digital Transformation, Digital Transformation, Sustainable Development, among others.

Previous experience in teaching and research, and having led or participated in research and development projects based on the fundamentals of the discipline will be positively considered. 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 the common 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 selected candidate will also be expected to create new undergraduate and graduate courses and teach existing courses appropriate to the position.

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 the following documents to vacantes-academicas@ing.puc.cl (in the email subject line, please write: **Faculty position in Computer Science for Sustainable Digital Transformation**; see [note A](#)) by **December 31st, 2023** (late applications will be considered if the position is not filled after the first review).

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 vacantes-academicas@ing.puc.cl.

Note A:

The applicant will get an automatic 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:

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 Miguel Nussbaum, Director of the Department of Computer Science (mn@ing.puc.cl).

EEO/AAP Policy Statement

The Pontificia Universidad Católica de Chile is committed to fostering an environment that welcomes and embraces diversity, and does not discriminate on the basis of race, color, creed, religion, origin, disability, age, sexual orientation, or marital status in its activities, including employment, admissions, and educational programs. According to the “Regulation for the Selection of Academics” of the Engineering School UC, in case of equal academic merits, the hiring of a female academic should be favored.

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://direcciondedesarrolloacademico.uc.cl/index.php?option=com_content&view=article&id=286&Itemid=178

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:
 - Interview with the Dean of the Faculty of Engineering
 - Interview with the Director of the IDS
 - Interview with faculty members and the chair of the Department of Industrial and Systems Engineering
 - Interview with faculty members of the IDS
 - Interview with the Selection Committee
 - Psychological Interview
 - Seminar (open to faculty members of the School of Engineering and the IDS)

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

2. Selection of the final candidate by the Departments 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.