

Two Academic Position in Civil Engineering at UDP in Santiago de Chile

JOB DETAILS:

The Faculty of Engineering and Sciences at Universidad Diego Portales invites applications for two full-time tenure track position to start in March of 2024.

QUALIFICATIONS:

A Ph.D. in civil engineering, architecture, construction management, or a closely related field is required, though applicants in the late stage of doctoral studies may also be considered. Individuals with research interests in civil engineering systems, construction management, civil works and sustainability are especially encouraged to apply.

The selected persons are expected to teach undergraduate and postgraduate courses in Spanish; supervise undergraduate and Master's theses; conduct high quality research in collaboration with industry and government; publish in top international journals and participate in outreach activities. Relevant industry experience or applied research is a plus. WoS publications would be extremely welcome. Applicants must have the ability to teach civil engineering related courses other than their own major, such as: **construction materials** (3D printing in construction, robotics, nanomaterials, new and low-carbon building materials), **construction management** (BIM, project administration, construction surveying, construction contracts, and Lean Construction philosophies), **industrialized construction** (Construction 4.0, off-site and prefabrication, panelized and volumetric construction technologies), **sustainable construction and cities** (near-zero and net-zero carbon design and construction), and **digital transformation in civil engineering** (smart cities, urban analytics, digital twins, blockchain/smart contracts, IoT and machine learning in civil engineering applications). Also, experience in research and consultancy projects that involved aspects beyond those purely related to the candidate's own expertise, for example but not limited to (i) multidisciplinary perspectives, (ii) gender equality, and (iii) international outreach, will be positively assessed and considered as a plus during the candidate's evaluation.

The Faculty of Engineering and Science is committed to equal opportunity and diversity in its workforce. We encourage applications from women and minority groups and welcome applications by dual-career academic couples. Researchers whose productivity has been particularly affected by the pandemic should specify this in the cover letter.

Applicants must have a strong commitment to undergraduate education and teaching excellence. A willingness to collaborate with both students and faculty and to become involved in university service is essential.

The successful candidate need not be fluent in Spanish at the moment of applying, although it is expected that she/he must develop excellent oral and written communication skills. In addition, the candidate must have observable dedication to undergraduate education; enthusiasm for professional engagement with students in and out of the classroom; and ability to work in teams in a collegial environment.

It is worth highlighting that our institution welcomes applications from people with disabilities. For candidates in such a situation, they are requested to state on the application email whether special adjustments, special support, or accessibility adaptations are needed in order to take part in the application process (e.g. the interview) and/or to conduct their teaching duties once appointed.

RESPONSIBILITIES:

The primary responsibility will be to deliver undergraduate civil engineering courses in a student-centered learning environment. The typical teaching load is equivalent to two courses/modules each semester. The research responsibility includes the application to national or international grants for external funds, as well as publication of articles in high-level indexed journals (WoS). Applicants will also be expected to participate in scholarly activities.

CAMPUS INFORMATION:

Universidad Diego Portales was founded in 1982. It is an equal opportunity and affirmative action employer, encouraging applications from female and minority candidates, and others who will enhance our community. The School of Civil Engineering graduates about 50 students per year. The campus is located in Santiago Downtown within a historic community with excellent public transport access. The city offers excellent school systems (both in Spanish and bilingual in English, French or German), high quality medical and hospital facilities, ample recreational opportunities, and a dynamic business environment. More information about the University and School can be found at:

www.udp.cl and <https://eoc.udp.cl>

ADDITIONAL INFORMATION:

Salary: Competitive and excellent benefits.

Effective Date of Appointment: March 1, 2024

TO APPLY:

Applicants should submit the following information by e-mail to: postula-civil@mail.udp.cl (e-mail subject: Job position in Civil Engineering) by October 31, 2023. The following information should be included in the email:

1. Statement of purpose (in English or Spanish) indicating your merits for the vacancy, and your plans in the areas of research and teaching. Be specific, *e.g.*, giving examples of how you aim to transfer your knowledge and background to undergraduate and graduate students, and detailing potential collaboration networks with other researchers you may have developed or intend to develop in the future.
2. Curriculum vitae (in English or Spanish see Note A)
3. If available, a copy of your five most relevant WoS publications. In case you do not have WoS articles, include articles that you consider relevant in the field (*e.g.* conference proceedings)
4. Two letters of reference sent directly by the persons who sign them to **postula-civil@mail.udp.cl**

Note A:

1. Personal background: name, address, contact telephone (with country and city codes), e-mail address, web page (if available), age, and nationality.
2. Educational experience (university or institution, courses taught, years).
3. Professional experience (company, tasks, years).
4. Education: list of all degrees or professional qualifications obtained with granting institutions and dates, starting from your secondary education degree. In case you are on course of obtaining a PhD, indicate the date you expect to obtain such degree.
5. Research
 - (a) List of WoS journal publications and Web of Science Citation Report
 - (b) List of other publications such as: reports, books or book chapters, conferences proceedings, research projects where participated, patents, etc.
6. Other: prizes and awards, computing abilities, languages, other background information that you consider relevant.

Once the complete set of application materials has been received, the applicant will be contacted, within a month, and informed whether or not his/her application has been found acceptable. If this initial screening is successful, the candidate may be asked to give a lecture about his/her current research topics and to hold interviews with the Dean or other members of the Faculty of Engineering. Applicants may also request more information on a specific topic by sending an e-mail to Prof. Hernán Alcayaga (hernan.alcayaga@udp.cl)