

FACULTY POSITIONS IN EARTH DATA SCIENCES

The Faculty of Engineering and Sciences of Universidad Adolfo Ibáñez has great pleasure in inviting applicants for an open rank faculty positions in Earth Data Sciences due to start as early as March 1st 2021.

The Faculty of Engineering and Sciences (FES) of Universidad Adolfo Ibáñez (UAI)

UAI is a prestigious private university in Chile. Founded as a business school in 1953, in 1988, it started operating as a university. At present, it has 12,400 students in 8 different schools located on two campuses: one in Santiago, the capital city of Chile, and the other in the coastal city of Viña del Mar.

The FES is one of the leading schools of engineering in Chile, and it has experienced rapid growth over the last ten years. It has about 4,000 students and more than 100 full-time professors. The FES offers 7 undergraduate engineering degrees, in addition to its M.Sc. and Ph.D. programs. The FES brings together an open-minded community of scholars who combine fundamental and applied research meant to develop creative and innovative projects. These projects are expected not only to advance the frontier knowledge but also to contribute toward developing solutions that can help to reach our sustainable development goals as portrayed by strategic plan (available at <https://ingenieria.uai.cl/plan-fic/>).

Job description

In its continuing effort to contribute to Chile's development, the FES at UAI is creating an Earth Sciences group with a focus on increasing Chile's sustainability and resilience. Some of the relevant topics that the new group intends to address are the exploitation of satellite data to monitor and better characterize societal relevant resources such as water reservoirs, Andean cryosphere, land use change and air quality. We seek a candidate whose research addresses topical questions in one or more of earth, ocean and atmospheric sciences, using data-driven techniques such as machine learning and inversion methods using large and/or complex datasets. UAI is a founding partner of the Data Observatory, offering ample opportunities to work in multidisciplinary projects around data science with private, academic and public sector actors, therefore candidates who have interest in extending to other areas in the context of the Data Observatory are particularly encouraged to apply.

Candidates should have a demonstrated potential or ability to pursue a high impact research program, and are expected to apply to external funding through research grants. A proactive cooperation with other faculties and groups of the university is also expected as well as participating in outreach and science communication activities. Faculty members at FES are expected to teach, in Spanish and/or English, undergraduate and graduate courses in Earth Sciences and related fields, supervise theses, conduct high quality research, publish in top

international journals, submit research proposals to national, international and multinational funding organizations, and participate in outreach activities. FES also encourages and welcomes technological transfer and research in collaboration with the industry and the government. The salary depends on the qualifications of the chosen candidate. As a reference, a starting Assistant Professor should expect a monthly remuneration ranging between \$3.000.000 to \$4.000.000 CLP before taxes (US\$ 45.000 - US\$ 60.000 annual salary approximately). This salary does not include potential stipends from grants or research contracts.

Candidates need not be fluent in Spanish at the moment of applying. They must have excellent oral and written communication skills, a great aptitude for teamwork, and a strong commitment to high quality education and research. Applicants must have earned a PhD degree in a related discipline at the time of hiring. Applicants in the late stage of doctoral studies are also welcome. Relevant industry experience and indexed publications are a plus.

At FES we believe that diversity broadens our research scope and enhances the quality of our education, so we highly encourage women, international scholars, and minorities to apply for this position.

Application instructions

Applications should be turned in by **November 30th, 2020** to ensure full consideration, but the search will continue until the positions have been filled. Candidates should submit the following information via email to FacultyPositions.FIC@uai.cl (e-mail subject: Faculty Position in Earth Observation), including at least:

1. Statement of purpose (in English) indicating your merits for the position, and your plans in the areas of research and teaching in which you are interested.
2. Curriculum vitae, which must at least include: contact information, educational background, educational and/or professional experience, and a list of publications in scientific journals.
3. Name, position and contact information of at least three people who can submit a recommendation letter in case you are shortlisted.
4. Availability to work in the campus of Santiago, Viña del Mar or both.

The candidate may also be asked to give a lecture about his/her current research topics and/or to hold interviews with the Dean and members of the Faculty of Engineering and Sciences. Interviews may be done by videoconference, if necessary.