

FACULTY POSITIONS IN APPLIED AND COMPUTATIONAL MATHEMATICS

The Faculty of Engineering and Sciences of Universidad Adolfo Ibáñez has great pleasure in inviting applications for up to three open rank faculty positions in Applied Mathematics due to start as early as March 1st 2021 on the Campus Santiago.

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

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

The FES is a leading school of engineering, which has experienced a rapid growth over the past 10 years. It has about 4,000 students and more than 100 full-time professors, offering 7 undergraduate engineering degrees, in addition to MSc and PhD programs. 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 towards developing solutions that can help to reach sustainable development goals as portrayed by strategic plan (available at <https://ingenieria.uai.cl/plan-fic/>)

Job description

The FES is developing a new research and educational program in interdisciplinary, applied and computational mathematics. The selected applicants are expected to contribute to this endeavor by joining the current team of 20+ faculty members working in these areas.

We are looking for candidates with a solid mathematical and computational background, with high potential to advance the mathematical foundations of interdisciplinary research in science, engineering, and/or the social domains. Particular attention will be given to applications that show strong synergy between mathematical modeling, high-performance and advanced scientific computing, discrete algorithms and stochastic processes, as well as data assimilation and uncertainty quantification.

FES seeks outstanding researchers with a marked academic interest in high quality education and research, with expertise in both theory and applications, and motivated by multidisciplinary work at the interface with engineering. Candidates are expected to hold (or be close to completing) a doctoral degree in applied mathematics, computer science, or a

related field. The successful candidate must demonstrate the promise of outstanding scholarship in every regard, including research and teaching.

Faculty members at FES are expected to teach, in Spanish and/or English, undergraduate and graduate courses, 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.

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: Job Position in Applied Mathematics), including at least:

1. Statement of purpose (in English) indicating your merits for the vacancy, and your plans in the areas of research and teaching in which you are interested.
2. Curriculum vitae, including: 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.

Shortlisted candidates may be asked to give a lecture about his/her current research topics and to hold interviews with the Dean and members of the Faculty of Engineering and Sciences. Interviews may be done by electronic means, if necessary.