

## FACULTY POSITION IN ASTROINFORMATICS AND ASTROSTATISTICS

The Faculty of Engineering and Sciences of Universidad Adolfo Ibáñez has great pleasure in inviting applicants for an open rank faculty position in the area of astro-statistics and astro-informatics beginning as early as March 1<sup>st</sup> 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 in two campuses: one in Santiago, the capital city 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 last 10 years. It has ~4,000 students and ~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**

We are interested in candidates whose research has a strong component in statistics or machine learning and seek to advance the frontier in data analysis and modeling in Astrophysics. We are particularly interested in candidates whose astrophysical interests lie in planetary sciences and/or plan to exploit the upcoming Vera Rubin's Legacy Survey of Space and Time (LSST). 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.

Faculty members at FES are expected to teach, in Spanish and/or English, undergraduate and graduate courses related to Physics, Astronomy, Statistics 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 successful candidate will have access to 10% of all telescope time in Chile, including VLT, ALMA, Gemini, Magellan, and other telescopes in the country, as well as access to future facilities such as the GMT and E-ELT. Salary will be commensurate with qualifications and

experience. 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 wage approximately). This salary does not include potential stipends from grants or research contracts.

Candidates do not need to 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 Astrophysics, Physics, Statistics, Computer Science or a related discipline.

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 1<sup>st</sup>, 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](mailto:FacultyPositions.FIC@uai.cl) (e-mail subject: Faculty Position Astrostatistics), including:

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 (max 5 pages).
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.

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 electronic means, if necessary.