

**OPEN POSITION AT THE
INSTITUTE FOR MATHEMATICAL AND COMPUTATIONAL ENGINEERING**

PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE

The Institute for Mathematical and Computational Engineering (IMC) from the Pontificia Universidad Católica de Chile (UC) is offering a full-time position at the assistant or associate level. We invite highly qualified candidates in all areas of applied mathematics addressed by the Institute to apply to these positions. These areas are data science and machine learning, computational sciences and engineering, and algorithms, combinatorics and Optimization.

The selected candidates will be expected to conduct interdisciplinary research and to connect with other institutes in the University. The ability to address relevant applied problems in the industry and public sectors, among others, is also very valuable. Selected candidates are expected to teach and contribute to the Mathematical and Computational Engineering curriculum. Typical teaching load is three semester-long courses a year, at the graduate or undergraduate level, but for the first year selected candidates can opt for a reduced teaching load of only two courses. Command of Spanish is not required for applying, but the selected candidates are expected to start teaching in Spanish in at most two years.

About IMC

The IMC was recently created as a joint endeavor between the School of Engineering and the Faculty of Mathematics of UC in Santiago. The Institute aims to become in the short term a leading actor in the area of applied mathematics in Latin America, by:

- developing cutting-edge research in all areas mentioned above;
- addressing complex problems in coordination with other disciplines;
- training highly-qualified students with a solid background in science and engineering methods;
- establishing networks of collaborations with leading research institutions around the world; and
- actively transferring knowledge to society in the form of technological development and outreach.

The IMC is responsible for the Mathematical Engineering program at UC -- a highly selective undergraduate program within the School of Engineering -- and is in the process of creating interdisciplinary graduate programs in Mathematical and Computational Engineering leading to masters and doctoral degrees.

Further information about the Institute can be found at <http://imc.uc.cl>

About UC

The Pontificia Universidad Católica de Chile is one of the leading research and educational institutions in Latin America, and the Engineering School and Mathematics Faculty are among the best ranked ones in the University. As members of IMC, the selected candidates will be able to enjoy a very active research environment, with challenging applications in several sectors, as well as being able to interact with the best students in Chile, a rapidly developing country with high indicators of human development. Further information about UC can be found at <http://www.uc.cl>.

Application Instructions

Candidates should submit the following documents, in English, to vacancysearch.imc@uc.cl (in the email subject line, please write "Faculty position IMC") by November 1st, 2019:

- A cover letter.
- Research statement indicating immediate and long term goals for your research. Include details on potential collaboration networks with other researchers and plans for interactions with scientists in Chile and other countries.
- Teaching statement indicating why you should be considered for the position and your plans for teaching. Be as specific as possible, by giving examples of how you aim to transfer your knowledge to undergraduate and graduate students, and which course could you teach.
- An up-to-date curriculum vitae containing all relevant information.
- In addition, candidates should arrange for three letters of recommendation to be e-mailed directly by the signatories to vacancysearch.imc@uc.cl.

Salary

Salary is about US\$48,000 per year, before taxes, health insurance, and pension fund contribution, at the assistant professor level. This salary is increased every two years for those academics who receive an evaluation at the highest possible rank. Most funding projects existing in Chile also provide extra salary for academics.

Further information

For additional information on the positions, please write to Prof. Pablo Barceló, Director of IMC, pbarcelo@ing.puc.cl