TENURE TRACK POSITION - ANALYTICS

The Industrial Engineering Department of the Universidad de los Andes is accepting applications for tenure-track positions at the Assistant Professor level or Postdoctoral (teaching-research) Positions. We are also open to considering senior applicants who demonstrate exceptional achievements and leadership. To be eligible, candidates must hold a Ph.D. degree by the start date of the appointment or shortly thereafter and show promise of exceptional scholarly achievement. Applicants working in any field of **Operations Research, Statistics and Computational Data Analytics** are welcome.

The University, located in downtown Bogotá (Colombia), is ranked among the top ten universities in Latin America by both the QS University Rankings and the Times Higher Education World University Rankings. Its student body comprises 14.500 undergraduates, 4.500 graduate, and 420 doctoral students.

The School of Engineering has 4.600 undergraduates, 1.600 graduate, and 152 doctoral students, hosts seven departments and all of its programs are ABET-accredited: Biomedical, Chemical and Food, Civil and Environmental, Electrical and Electronics, Industrial, Computing, and Mechanical Engineering. The School offers a Ph.D. degree in engineering. The Department of Industrial Engineering, home to 18 full-time faculty, 8 instructors, 37 adjunct (part-time lecturers) faculty, and 51 teaching assistants, is the largest unit, accounting for about one third of engineering students (1.400 undergraduate students).
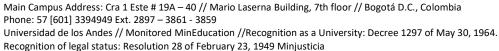
The Department offers B.S., M.S., and Ph.D. degrees in Industrial Engineering, technology innovation, and analytics. Specifically in Analytics area, the Department offers the following master's programs: MIIA (Master in Analytical Intelligence for Decision Making) and MIAD (Master in Data Analytics Intelligence).

As an ABET-accredited program, the industrial engineering curriculum prepares students to design, develop, implement, and improve integrated systems that include humans, materials, information, equipment, and energy. Our combined teaching-research is based on a contemporary core built on four pillars: (i) formal analytical tools that allow the construction of mathematical models, (ii) the computational simulation paradigm (broadly interpreted), (iii) the transformation of raw data into information for decision support (data analysis), and (iv) the systems perspective in complex and uncertain environments. This core manifests in the form of system design or improvement applications developed in both mainstream and emerging fields. We are explicitly looking for candidates with strong methodological grounding in areas such as optimization, stochastic modeling, simulation, statistics (with an analytics perspective), systems modeling and systemic tools, manufacturing, production and logistics, and computational and quantitative finance.

There are three research groups within the Department of Industrial Engineering: i) COPA, which supports decision making processes at organizations via the application of operations research, statistics, and computational data analytics; ii) TESO, that contributes to the development and diffusion of systemic thinking for the transformation of our society including the active participation of the communities; and iii) PYLO aims to continuously improve the production, logistics, and quality processes in organizations.

Applicants should submit a cover letter, curriculum vitae, research proposal, and teaching statement, and arrange to have three recommendation letters sent directly to the Chair of the Search Committee. Interested candidates could also schedule a preliminary interview with our faculty at the INFORMS Annual Conference. Applications and questions related to the positions should be addressed to the Chair of the

Search Committee, Catalina Ramírez (SearchCommittee_IE@uniandes.edu.co).

Applications will be accepted until the positions are filled.