THE DEPARTMENT OF MATHEMATICAL SCIENCE AT UNIVERSIDAD EAFIT INVITES APPLICATIONS FOR ONE FULL-TIME FACULTY POSITION
FIELD OF KNOWLEDGE: OPTIMIZATION AND HEURISTICS

Universidad EAFIT (http://www.eafit.edu.co/Paginas/index.aspx) is interested in recruiting and hiring a permanent full-time professor for the Optimization and Heuristic field of knowledge which is attached to the Department of Mathematical Sciences at the School of Sciences. Appointment will begin on July 13, 2015.

Job Description
The successful candidate will serve as full-time professor. Responsibilities will include teaching, research, continuing education and academic administration tasks related to the Department programs, particularly to Mathematical Engineering, the Master’s program in Applied Mathematics and the Ph.D. program in Mathematical Engineering.

Hiring Conditions
Type of Contract: Fixed-term contract for one year with the possibility of renewal up to one further year or change to an open-ended contract with the entrance into the academic career, subject to compliance with the requirements set forth in the Faculty Statute of Universidad EAFIT.
Work Hours: Full-time Position
Salary Range: COP$ 6,000,000 - COP$ 6,900,000 (monthly base salary)

Fifteen (15) monthly salaries per year including the legal and extralegal benefits offered by the university, in addition to other benefits for the employee and his/her family. (Note: wages will be increased each year, beginning on February 1 in the percentage that is approved by the Board of Directors. Also, once the professor enters the academic career in accordance with the provisions of the University’s faculty statutes, the salary may be increased due to a change in the faculty rank, which shall occur upon request.)
Workplace: Universidad EAFIT, main campus in Medellin and possible temporary trips to other cities and/or countries.

Requirements

- Undergraduate degree preferably in Engineering or Mathematics. Qualifications obtained abroad must be duly authenticated in accordance with the Colombian regulations. Refer to the Ministry of National Education website (www.mineducacion.gov.co) for further details on the procedures and requirements for professional recognition in Colombia.
- PhD in Mathematics, Applied Mathematics or Engineering majoring in any of the following lines of work: Mathematical Optimization, Stochastic Optimization, Inverse Problems or Optimal Control. Qualifications obtained abroad must be duly authenticated in accordance with the Colombian regulations. Refer to the Ministry of National Education website (www.mineducacion.gov.co) for further details on the procedures and requirements for professional recognition in Colombia.
- Three years of full-time university academic experience or five-year professional experience related to the academic field of study.
- Certification of English language proficiency, with a B2 minimum level according to the Common European Framework of Reference (CEFR).
- Intellectual production regarding the field of the job description developed in the last 4 years, which shall meet the following requirements: at least five (5) A and/or B-type products, in any of the modes established by COLCIENCIAS (at least one of these products must be A-type).
- Experience in the supervision of undergraduate and graduate thesis (Master’s and/or doctorate programs.)
- Research experience for the last two (2) years, as principal or joint researcher in the field of the job description.
- Participation as lecturer in international academic events related to mathematics or engineering (in the field of the job description) in the last two (2) years.
- Deliver a lecture (in-person or by video conference) about the articulation and impact of your current research topic (Mathematical Optimization, Stochastic Optimization, Inverse Problems or Optimal Control) on the Mathematical Engineering undergraduate program, the Master’s program in Applied Mathematics
and the Ph.D. program in Mathematical Engineering; which shall be conducted in Spanish.

- Submit a written proposal of up to 5 pages for Universidad EAFIT in the next 5 years (biweekly work plan) related to its teaching and research development. This must cover at least two (2) of the following performance areas:

  Teaching: Specify which of the courses that are currently offered by the Mathematical Engineering undergraduate program, the Master's program in Applied Mathematics and the Ph.D. in Mathematical Engineering you would be able to teach.

  Research:

  - Indicate the possible thesis topics in the field of the job description which could be articulated to the undergraduate and graduate programs of the Department of Mathematical Sciences, and a brief description of each topic.
    (http://www.eafit.edu.co/escuelas/ Sciences/Departamentos- academicos/Paginas/inicio.aspx)
  - Indicate possible research topics in the field of the job description, preferably to be developed with external funding. Indicate potential funders.

Continuing Education and Community Outreach:

- List the possible topics in the field of the job description focusing on the solution of problems of public and/or private enterprises, and a brief description of each topic. The scope of such topics should be included.
- Establish potential courses, seminars or workshops related to the field of the job description that could be offered through the Center of Continuing Education at the university
  (http://www.eafit.edu.co/cec/Paginas/inicio.aspx).

**Required Documents**

To participate in the selection process, candidates must submit the documents listed below which certify compliance with the requirements previously mentioned:

- Updated resume
- Copy of the undergraduate diploma
- Copy of graduate diplomas
- Certification of the university academic experience or professional experience
- Required intellectual production
• Certificate of proficiency in the second language.
• Certificate of participation in international academic events
• Proposal of teaching and research development for Universidad EAFIT for a period of 5 years.

Selection Process

1. Reception of resumes
   Resumes, along with all the required documents, will be received until April 20th, 2015. They must be sent to one of the following addresses:
   - mcogollo@eafit.edu.co

2. Review of resumes.
3. Personal interview (in-person or by video conference).
4. Shortlist lecture or oral presentation (in-person or video conference) on a specific subject established by the Selection Committee.

Timetable of the selection process

<table>
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<tr>
<th>Event</th>
<th>Dates</th>
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<tr>
<td>Delivery of documents</td>
<td>March 9th to April 20th, 2015</td>
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<tr>
<td>Review of resumes and shortlist</td>
<td>April 21st. to April 30th, 2015</td>
</tr>
<tr>
<td>Lecture and interview</td>
<td>May 4th to May 8th, 2015</td>
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<tr>
<td>Announcement of results</td>
<td>May 11th, 2015</td>
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The notification of the faculty position may be declared void. Any occasional travel expenses incurred for the participation in the selection process shall be borne by the candidate.

For further information

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