

HEC Liège invites applications for a full-time postdoctoral position in combinatorial optimization

HEC Liège recruits a full-time postdoctoral researcher in the context of a research project in the field of combinatorial optimization applied to postal services. The project is funded by bpost, the Belgian postal company.

HEC Liège

HEC Liège is the Management School of the University of Liège (ULiège). The University is an active partner of a network of over 900 universities promoting the exchange of students, researchers, and skills. As one of its faculties, HEC Liège is one of the leading Belgian management schools hosting graduate and postgraduate study programs. The School counts 110 full-time faculty members and researchers and about 3,500 students, and promotes an empowering pedagogy leading students to play a proactive part in their education.

HEC Liège's commitment to and ongoing investment in quality improvement has been recognized through the international Accreditations **AACSB** and **EQUIS** (delivered by **EFMD**).

HEC Liège emphasizes the **human dimension** of its work environment, the regional anchoring of its community service missions, the managerial relevance of its teaching and its applied research projects, let alone its fruitful inter-faculty partnerships.

HEC Liège upholds respect, tolerance, congeniality, diversity, and social responsibility. It is committed to the well-being of its members and to environmental protection.

Last but not least, HEC Liège's modern and expanding campus within a city renowned for its friendliness and hospitality makes it a great place to live and work.

A description of the HEC Liège work environment can be found at <http://hec.uliege.be/en/hec-liege/hec-liege-is-hiring>.

QuantOM research center

At HEC Liège, the research activities within the strategic field “Business Analytics and Supply Chain Management” are carried out by the members of QuantOM, the “Centre for Quantitative Methods and Operations Management”. Many researchers of QuantOM work on scientific projects supported by public research grants or by collaborations with industrial partners. Moreover, HEC Liège offers a broad array of courses in these areas, and particularly in the context of its master’s degree specializations in “Supply Chain Management and Business Analytics” and in “Global Supply Chain Management”.

Some of the main areas of expertise and research within QuantOM are in transport management and transport economics, production planning and scheduling, design and coordination of supply chains, statistics and statistical process control, integer programming and combinatorial mathematics, business intelligence, and business analytics.

Your profile

You have a high proficiency in **English and French** to be able to communicate efficiently both with the academic and the industrial worlds.

You have a PhD in the following or related fields: applied mathematics, quantitative methods in management, computer science, engineering sciences. An experience in developing combinatorial optimization methods is mandatory.

You should demonstrate ability to carry out high quality research and to publish your work in high level scientific journals. You should also be able to make managerial recommendations based on real-world data, and to diffuse your research findings in a managerial environment.

Ideally, you have a good knowledge of:

- Stochastic optimization
- Vehicle routing problems
- C++

Contract

The position will start at the soonest on April 1st, 2022, for a duration of 18 to 24 months. The postdoctoral researcher will be hired on a research grant and therefore should comply with the following requirements:

- to be in a situation of **international mobility** (that is, not having stayed more than 24 months in Belgium - for work or studies, etc. - over the last 3 years),
- to have obtained the PhD degree less than 10 years before the starting date of the contract.

The offered position is a full-time position at HEC Liège. However, the selected candidate may be required to work at bpost headquarters in Brussels twice per month.

Application package

- A motivation letter (max 2 pages) ;
- A detailed curriculum vitae including the list of scientific publications;
- A summary of past and current research projects (max 3 pages);
- Two recommendation letters (to be sent separately by the referees).

Please send the application documents to Véronique François (veronique.francois@uliege.be), QuantOM researcher, by January 31, 2022, at the latest. Further information can be obtained at the same address.

Note that the interviews with the shortlisted candidates will be carried out both in French and in English.