FULL-TIME ACADEMIC POSITION IN MATHEMATICS FOR ECONOMICS, MANAGEMENT and DATA ANALYTICS

FACULTY SOLVAY BRUSSELS SCHOOL OF ECONOMICS AND MANAGEMENT

Reference : 2022/A001
Application deadline: December 31, 2021
Start date: 01/10/2022

Job description

The Solvay Brussels School of Economics and Management (SBS-EM) is the faculty of Economics and Management of the Université libre de Bruxelles (ULB). The faculty’s mission is to have a decisive and positive impact on how economic and business challenges are addressed. With a strong emphasis on quantitative methods, we produce pioneering research and educate women and men to become true leaders and entrepreneurs in their field.

SBS-EM consists of a vibrant mix of people interested in management, economics and finance. The faculty actively strives to create and maintain an intellectually stimulating environment, advancing scientific knowledge, while at the same time contributing to the development of effective practices and life-long learning for organizations. SBS-EM is FT-ranked (70th in 2020) and EQUIS and AMBA accredited.

Description of the Chair in Mathematics for economics, management and data analytics

Area of Research :

The successful candidate will have the opportunity to leverage his/her research competences from a strong quantitative background (broadly speaking). There are no restrictions on subdisciplines, but everything else equal, preference will be given to research profiles with a clear contribution to quantitative methods for economics and management. This can range from mathematical economics towards data analysis based on machine learning or big data techniques. The successful candidate will collaborate closely SBS-EM and ULB faculty members in the disciplines relevant for their research agenda. Members of the faculty are for instance active in the fields of behavioural economics, game theory, revealed preference theory, network theory, big data analysis, statistics, among others.

Educational and scientific goals :

The selected candidate will contribute to research and teaching in quantitative methods for economics and management. (S)he essentially aims at
- developing and/or expanding on his/her research agenda while fostering interdisciplinary research collaborations, seeking funding for research projects in the field and publishing in internationally recognized peer-reviewed journals;
- contributing to education (bachelor, master and Phd education) by developing knowledge, skills and competences related to quantitative methods for economics and management, providing the necessary tools and insights for “evidence-based” research;
- interacting closely with practitioners and engaging with concrete issues of organisations in Brussels, either national or international.

Courses covered at the time of recruitment:
Candidates will be expected to contribute to SBS-EM’s core courses and programs in mathematics for economics and management and to supervise on average 6 master theses per year in this field. In the long-run, candidates will be requested to teach 4 courses of 5 ECTS (approximately 24 contact hours) per year. The envisaged teaching assignment for the first year consists of Math-S1011 (Introduction to mathematics: calculus), Math-S1012 (Introduction to mathematics: linear algebra) and Math-S202 (Mathematics: functions of several variables).

Qualifications required
PhD Degree (with doctoral thesis) in economics, mathematics or closely related fields

Skills required
- Candidates should have a proven record and/or pipeline of high-quality publications in internationally recognized peer-reviewed journals and be able to write grant proposals in the field.
- A minimum of 4-year scientific career at the time of hiring is required. Doctoral research years count towards this qualification.
- Both postdoctoral experience and exchange periods outside of the applicants’ home institution (during or after their PhD) will be considered as a plus.
- Candidates should already have some teaching experience at university level.
- A good command of English at an academic level (depending on the field, level C1 is required),
- For non-French speaking natives a learning period may be granted, but candidates must be capable of teaching in French at the end of the third year following their appointment.

Interested?
For more information, please contact Bram De Rock, vice-dean of research of the faculty, (bram.de.rock@ulb.be).

Applications must be sent by e-mail to the rectorate of the Université Libre de Bruxelles (rectrice@ulb.be) and to the faculty deanship (dean-office-sbs-em@ulb.be).

They must include the following:
- an application letter
- a Curriculum vitae including a list of publications:
  if you want you can complete a standard form via our website at https://www.ulb.be/fr/documents-officiels/completer-votre-cv-en-ligne. Once completed, it must be downloaded and attached to the application file.
- a 7,000-character report (4 pages) presenting the applicant’s research activities and a research project, including how these will integrate into ULB’s research teams.
• a teaching dossier including a 7,000-character report (4 pages) on the applicant's previous teaching activities and a teaching project for the first five years in this position; these must be relevant to the faculty and to the teaching profiles for the programmes to which the applicant is to contribute.
• a note on the applicant's international achievements and projects (no more than 4 pages).
• the names and e-mail addresses of five referees (respecting the gender balance) who may be contacted by those in charge of evaluating applications. These referees should not have conflicts of interest because of family or emotional ties.

The recruiting committee will select the candidates on the basis of the following criteria: quality of the research project and scientific publications, pedagogical project with respect to teaching quantitative methods for economics and management to different types of audiences and teaching experience at different levels, international experience and academic collaborations, experience in institutional relationships and networking capabilities. SBS-EM uses an extensive ranking of journals to measure research output and uses this, together with other standard research outputs, for tenure and promotion decisions.

The appointment to the academic staff of ULB is made at the “Chargé de Cours” (Associate Professor) level. The exact wage scale depends on the seniority level, which in turn depends on the total years of postdoctoral experience.

Equal opportunities policy
ULB's personnel management policy is geared towards diversity and equal opportunities.

We recruit candidates on the basis of their skills, irrespective of age, gender, sexual orientation, origin, nationality, beliefs, disability, etc.

Would you like to be provided with reasonable accommodation in the selection procedure because of a disability, disorder, or illness? Do not hesitate to contact Marie Botty, the Gender and Diversity resource person of the Human resources Department - SPES (marie.botty@ulb.be). Be assured of the confidentiality of this information.


You will find all the regulations relating to academic careers on our site at http://www.ulb.ac.be/emploi/academique.html.