

19 Doctoral Candidates (m/f) in Computational and Data Sciences

The University of Luxembourg (UL) invites applications for 19 Doctoral Candidates (PhD researchers) as part of the Doctoral Training Unit [Data-driven Modelling and Applications](#) (DRIVEN), funded by the Fonds National de la Recherche (FNR) within the PRIDE scheme.

- Full-time (40 hours/week) work contract, employee status
- Fixed-term 14 months initial contract, extendable up to 48 months in total

The interdisciplinary Doctoral Training Unit (DTU) DRIVEN provides a high-quality research and training environment for data-driven modelling approaches common to a number of applications in a variety of scientific fields. DRIVEN aims at building a bridge between state-of-the-art computational modelling based on machine learning/artificial intelligence concepts and particular application domains, including *Computational Physics and Engineering Sciences*, *Computational Biology and Life Sciences*, and *Computational Behavioural and Social Sciences*. <https://driven.uni.lu>

Your profile

- Master's degree in Computational Sciences, Data Sciences, Applied Mathematics, or in a scientific field represented by DRIVENs research, e.g. Computational Engineering/Physics/Biology
- Interested in Statistical Analysis, Machine Learning, Advanced Data Science and Data Visualisation
- Experience with Python/C++ programming and associated software development environments
- Good English language and communication skills
- Willingness to work in an inter-cultural and international environment
- Ability to work independently and as part of a team
- Curiosity and self-motivation.

We offer

- Enrolment in the DTU DRIVEN and UL Doctoral School
- A dynamic and well-equipped research environment
- Intensive training in scientific and transferable skills, participation in schools, conferences and workshops
- Personal work space at the University of Luxembourg.

Your tasks

- Manage and drive forward your research project
- Attend doctoral school courses, trainings and social events
- Write scientific articles and your PhD thesis
- Disseminate your research at conferences and seminars.

Gender policy: UL strives to increase the proportion of female PhD students in its faculties. Therefore, we explicitly encourage women to apply.

Application submission: Before proceeding with the submission of your application, please prepare the following documents.

- Curriculum vitae (maximum two pages)
- Motivation letter (maximum two pages) detailing how you meet the selection criteria for the specific research direction that you are applying for
- Publication list (if any) and PDFs of those publications
- Master's thesis (final or draft, if draft, then state the expected submission date)
- Full contact details of two persons willing to act as referees
- Copies of diplomas, transcripts with grades, with English, French or German translation

All documents should be uploaded in PDF format via the UL [online submission system](http://emea3.mrtd.ly/1ya1a) (<http://emea3.mrtd.ly/1ya1a>) until 30 November 2018 (no applications via email, please). Please note that incomplete applications will not be considered.

Selection process: Candidates will be shortlisted based on the criteria detailed above. Shortlisted candidates will be invited for an interview and/or interviewed by phone.

Research work in Luxembourg: Please see the [Foreign Researcher's Guide to Luxembourg](#) for more information on research employment in Luxembourg and the procedures that apply.