

**Assistant Professor of Applied / Foundational Aspects of Machine Learning, University of Luxembourg, Luxembourg.**

Assistant Professor (tenure track) in Computer Science with specialisation in applied and/or foundational aspects of Machine Learning

The Faculty of Science, Technology, and Medicine (FSTM) of the University of Luxembourg (UL) announces an opening for an

**Assistant Professor (tenure track) in Computer Science with specialisation in applied and/or foundational aspects of Machine Learning (ML).**

The position is anchored within the Department of Computer Science (DCS).

- - Ref: F1-50011608A (to be mentioned in all correspondence)
- - Full-time position (40 hrs/week)
- - Earliest starting date: September 2020
- - Fixed-term contract: 5 years, with perspective of a permanent position and promotion to Associate Professor upon a positive evaluation. In case of an excellent more senior candidate, a direct appointment at the level of Associate Professor may be considered

**Your Role**

The position at the Assistant Professor level follows Luxembourg's newly introduced tenure-track scheme according to which the initial appointment is a fixed-term contract. Upon successful evaluation, the candidate will be offered a permanent position as Associate Professor.

To diversify the existing skills and expertise within DCS, the candidate is expected to:

- - advance state-of-the-art research in the area of Machine Learning
- - offer focused Machine Learning courses at both Bachelor and Master level
- - supervise PhD candidates and post-doctoral researchers at the University of Luxembourg
- - collaborate across the various departments within the FSTM (such as Mathematics, Physics and Materials Science, Engineering, Medicine, Computational and Life Sciences), with other faculties, as well as with the adjunct research centres (LCSB, C2DH, SnT, LIST)

The initial package includes a PhD and a post-doctoral researcher position. The Luxembourgish research funding agency (FNR) offers a broad range of further funding opportunities through projects and special excellence programs (ATTRACT/PEARL). Academic salaries in Luxembourg are very competitive and among the highest in Europe.

**Your Profile**

The FSTM is seeking to hire an outstanding and visionary candidate in the area of Machine Learning. Applicants should have an excellent international track record, a strong background in the theoretical foundations of Machine Learning, an interest in innovative Machine Learning techniques, and be open for interdisciplinary collaborations with both academia and industry. Strong candidates with a more practical orientation will also be considered. Non-exclusive possible areas of interest are Bayesian and statistical-relational learning, learning probabilistic and causal graphical models, learning other types of structured/logical knowledge, explainable learning, deep learning, unsupervised learning, big data

applications (scalability, distributed and parallel execution of learning techniques), applications for natural-language processing and computer vision, autonomous systems, space research, and industry 4.0.

The University of Luxembourg is set in a multilingual context. The person hired on this position must be proficient in English and in either French or German. The University encourages its staff to learn the other language and provides free access to language courses if needed.

### **We offer**

- - An international team at a young and dynamic university
- - An interdisciplinary research environment
- - A wide network of academic, institutional, and corporate partners
- - Skilled support staff and a team-oriented work environment
- - Very competitive salary and benefits packages

### **Further Information**

The University of Luxembourg, which currently ranks 17th among the worldwide best universities under 50 years on the Times Higher Education (THE) list, is a public university with a strong focus on research and a very international faculty. With far more than 300 researchers, it is a major and ambitious player in Computer Science, laying the foundations for futuristic computational systems and supporting the digitization of science and society in the 21st century. The Department of Computer Science ([dcs.uni.lu](http://dcs.uni.lu)), one of the main pillars of research excellence at UL, performs fundamental and applied research in intelligent, secure, communicative, and advanced software systems. It promotes interdisciplinary research and closely cooperates with other high-profile research centres in Luxembourg and beyond, as well as with industry and society, including the newly established Luxembourg Space Agency (LSA). The DCS entertains various successful and growing teaching programs and supports various lifelong learning activities. It will strongly profit from Luxembourg's involvement in the EU High Performance Computing (EuroHPC) initiative.

Living in Luxembourg: Luxembourg is a cosmopolitan country, the green heart of Europe combining the convenience of a metropolis with a human touch ([www.euraxess.lu](http://www.euraxess.lu)). There are International/European schools as well as international tracks in local schools. The main part of the University is situated in Esch-Belval, a new and modern campus in a highly original environment with excellent public transport connections.

### **Further Information**

Applications should contain (in PDF format in English):

- - A motivation letter
- - A detailed curriculum vitae
- - A 1-page research statement
- - A 1-page teaching statement
- - A full list of publications
- - In addition, applicants are asked to provide recommendation letters of at least 3 referees which are to be submitted per email to [DCS\\_Head@uni.lu](mailto:DCS_Head@uni.lu) on or before the application deadline (March 31<sup>st</sup>, 2020)

For any questions please contact: Head of Department Professor Dr. Sjouke Mauw (e-mail: [DCS\\_Head@uni.lu](mailto:DCS_Head@uni.lu)).

**All applications must be sent per e-mail on or before March 31<sup>st</sup>, 2020**

**to: [FSTM\\_recruitment\\_DCS\\_ML@uni.lu](mailto:FSTM_recruitment_DCS_ML@uni.lu)**

**Link: <http://emea3.mrted.ly/2ezfc>**

All applications will be handled with strict confidence.

The University of Luxembourg is an equal opportunity employer. Special consideration will be given to female and young candidates to address the age pyramid and gender balance within DCS.