

The ECCS unit and the COSA institute at University of Luxembourg are seeking to appoint

1 position as PhD (100%)

within the research group Computer-Based Assessment (Prof. Dr. Samuel Greiff; uni.lu/eccs/cba; [facebook.com/21cba](https://www.facebook.com/21cba)). The post will be offered on a 3-year fixed-term contract (aimed to be extended after the initial period), available to start at 1st of June 2018.

The CBA research group aims at developing and validating innovative, computer-based assessment instruments for cross-curricular abilities (e.g., Complex Problem Solving, Collaboration, Domain-Specific Problem Solving). The open position can focus on a variety of topics including the training of 21st century skills, advancements of the understanding of problem solving, and the use of process data collected through computer-based assessment instruments from a content-related and a psychometric perspective. The position allows for developing own research interests and to pursue a PhD in this area. The research group is interdisciplinary located within the fields of Educational and Personality Psychology, applied Psychometrics, Cognitive Science, Differential Psychology, Computer Science, and Education.

Responsibilities:

- Developing and implementing computer-based assessment instruments and training methods
- Analyzing computer-generated log file data
- Data analysis and psychometric scaling with IRT- and SEM-models
- Self-contained research targeted at receiving a PhD in Psychology (cumulative; i.e. based on peer-reviewed publications)
- National and international data collection and management at participating institutions
- Communicating with partners and independent instruction of student assistants
- Administrative responsibilities within the project and the research group
- Publications (in English-speaking peer reviewed journals and at scientific conferences)

Profile:

- Excellent Masters degree (or equivalent) in Psychology or a related field
- Good knowledge of and interest in quantitative methods and test theory
- Willingness to travel internationally and excellent English in speech and writing. Knowledge of additional foreign languages is welcome but not mandatory
- Involvement into teaching to a very limited extent
- Ability to work independently, strong personal commitment, ability to work under pressure, communication & cooperation skills, administrative skills, creativity, determination
- Last but not least enthusiasm about, above average commitment for, and enjoyment in research and science

We offer:

- Participation in a young, committed, and dynamically developing team
- Affiliation to a very active research group with a profile of diverse activities
- Excellent research and funding conditions on a personal and a research level at an international and multilingual university
- Grown connections to international large-scale assessments such as PISA and PIAAC as well as national assessments in Finland, Hungary, Luxembourg, and Germany
- Possibility to receive PhD based on publications within a very reasonable amount of time
- Excellent and intensive supervision on a personal level
- Highly competitive salary

Please submit your application by 11th of May 2018 at <http://emea3.mrtded.ly/1tl06>.

Applications from female candidates are explicitly welcome. Further, we encourage applications from suitably qualified disabled candidates. Place of employment is the University of Luxembourg. Please direct further questions to Prof. Dr. Samuel Greiff (samuel.greiff@uni.lu).