

# 1 Post-Doctoral Researcher (m/f) in Computational Mechanics

The University of Luxembourg (UL) invites applications for a Postdoctoral Researcher position in *Computational Mechanics*. The future position holder will be working as part of the research team led by Prof. Dr.-Ing. Andreas Zilian (Computational Engineering / FSTC), focussing on predictive modelling of multifield problems (e.g. functional materials in solid and structural mechanics, fluid-structure interaction, aeroelasticity, phase transitions, multi-phase and multi-component flows) and associated specialised computational methods and automated solution frameworks.

- Full-time (40 hours/week) work contract
- Fixed-term 24 months initial contract, extendable up to 60 months in total

## Your profile

- PhD in the domain of Computational Mechanics
- Background in Continuum Mechanics, Multifield Problems, or Material Modelling
- Experience with Python/C++ programming, HPC and associated software development environments
- Track record in graduate/doctoral education
- Very good command of English
- Willingness to work in a multilingual and international environment
- Ability to work independently and as part of a team.

## We offer

- A dynamic and well-equipped research environment
- Access to a rich network in science and industry
- Continuous training in scientific and professional skills
- Personal work space at the University of Luxembourg.

## Your tasks

- Manage and drive forward your PostDoc research
- Disseminate results (journal articles, conferences)
- Contribute to teaching and doctoral training
- Support the supervision of Doctoral Candidates

**Gender policy:** UL strives to increase the proportion of female researchers 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
- Research statement (maximum two pages) outlining your scientific interests and describing specific project ideas
- Publication list and PDFs of those publications
- Doctoral 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 application documents should be sent to [andreas.zilian@uni.lu](mailto:andreas.zilian@uni.lu) until 31 January 2019. Please note that incomplete applications cannot 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.