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 until 30 November 2018. 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.