

## **Post-Doc Position Smart Living Lab, UniFR (100%)**

In the context of the Smart Living Lab / Part University of Fribourg, Switzerland we are looking for a candidate for a Post-Doc position (100%) starting in Fall 2022. The position will be initially assigned to the Smart Living Lab and may later be transitioned to a senior researcher position (Oberassistent / Maître assistant) within the Department of Informatics - first limited to 1 year with a max. extension up 5 years in total.

The Smart Living Lab is concerned with new forms of digital life and work and in particular with the digital transformation of existing processes in the built environment. It is a cooperation project between EPFL, HEIA-FR/HTA-FR, and the University of Fribourg. The holder of the Post-Doc position will be actively engaged in the research of the Smart Living Lab and cooperate with the other team members on project applications and project management. It is envisaged to transition the position in Spring 2023 to a senior researcher position within the Department of Informatics, including the responsibility for teaching three courses (Information Systems Modeling, Requirements Engineering for Information Systems, Information Systems Development Project). The possibility for a habilitation in computer science or business informatics is given.

The ideal candidate has the following profile:

### **General Requirements**

- Excellent PhD in business informatics, computer science or a related field
- Knowledge of digitalization and digitalization technologies, e.g. related to enterprise modeling, smart devices, blockchain, augmented reality or related areas
- Experience in research project applications and project management
- Fluent in English and ideally also German or French

### **Research Experience**

- Experience on the publication of papers at renown conferences or journals in business informatics and/or computer science
- Experience in scientific writing
- Knowledge of the scientific publication and review processes
- Experience in developing and evaluating research prototype software

**Teaching Experience**

- Experience in teaching on the bachelor and master level in areas related to software engineering and/or conceptual modeling
- Design of new lecture material and exams
- Supervision and mentoring of bachelor and/or master projects and theses
- Course support, course organization, organization of exams

**Applicant Profile and Skills**

- Knowledge of conceptual modeling techniques using modeling software, e.g. for UML, ER diagrams, BPMN, ArchiMate
- Development of domain-specific modeling languages (e.g. using Eclipse, ADOxx, MetaEdit+, GME, AToMPM or others)
- Technical skills in software development such as Java, C#, C++, TS
- Skills in web development and databases, e.g. using SQL
- High self-motivation and organization skills

Potential applicants send their application including the following items by e-mail to Prof. Hans-Georg Fill ([hans-georg.fill@unifr.ch](mailto:hans-georg.fill@unifr.ch)) under the subject “Post-Doc Position SLL” until November 15, 2022 or earlier:

- Motivation letter
- Curriculum vitae
- Certificates and grade statements for the PhD (if available) and master studies
- 2 references
- Electronic copy of the PhD thesis (if available)