



The [Institute for Information Systems and New Media](#) (WU Vienna) and [AVL List GmbH](#) invite applications for a scientific and technical project-team position (pre-doc). The successful candidate will contribute to [HybriDLUX \(FFG #867535\)](#), a 3-year nationally funded industry research project on model-driven software development and domain-specific modeling in industry. We are looking for talented candidates who will join our efforts to design, to implement, and to evaluate lighthouse software solutions for [AVL List GmbH](#), the world-leading company for vehicle test beds. In the short term, this position opens the opportunity to work on a dissertation project (WU Vienna) while actively contributing to and shaping the future of flagship Open Source software projects ([Eclipse](#)). In the mid term, HybriDLUX allows for embarking on an industry career (AVL List GmbH) or on a research career.

### **In this job, you will ...**

- design and implement software prototypes based on Java, Eclipse, and UML.
- prepare, plan, and conduct usability studies on these software prototypes involving industry experts.
- acquire a deep understanding of software-development needs in complex industry settings.
- work on your dissertation project in the course of WU Vienna's doctoral/ PhD program, closely aligned with and backed by your project contributions.
- assist in related research and teaching activities at the Institute for Information Systems and New Media.

### **What we expect from you?**

- You have a Master degree (or equivalent) in computer science, software engineering, and/or business informatics ("Wirtschaftsinformatik").
- You have a very good knowledge of software-engineering practices (architecture, design, and implementation), incl. model-driven software-development (metamodeling, model transformations, code generation).

- You have a solid experience in Java development projects using the [Eclipse IDE](#).
- Methodical knowledge and skills in conducting empirical studies (e.g., literature reviews, interviews, surveys).
- *Ideally*: You have prior experience in applying model-driven software development, in particular with Eclipse and the [Eclipse Modeling Framework \(EMF\)](#).
- *Ideally*: You have first experience in developing domain-specific software languages (DSLs) based on EMF and [Xtext](#).

**Location:**

Vienna, WU Campus

**Position:**

- Part-time position (30 hrs per week)
- This pre-doc position is subject to the terms of the Collective Bargaining Agreement for University Staff. The month gross salary is €2,095.95 (30 hrs per week, 14x).
- Working period: 01.01.2019 until 31.12.2021 (Note: start date subject to change.)

**How to apply:**

Send your application via [www.wu.ac.at/jobs/](http://www.wu.ac.at/jobs/), reference no. **3786**, including the following material:

- Letter of motivation (one A4 page max.)
- CV
- Relevant certificates & references, such as on your degree and on relevant software-development projects

Feel free to contact [stefan.sobernig@wu.ac.at](mailto:stefan.sobernig@wu.ac.at) with your questions!

**Deadline:**

December 12, 2018