

A research engineer or a post-doc position for two years is available in Software Engineering at Sorbonne University Paris.

Keywords: Software Product Lines, Reverse Engineering, Software Mining, Machine Learning, Static Analysis, Information Retrieval, Reengineering

The Laboratory of Computer Science of Paris 6 (LIP6) of the Sorbonne University-SU (ex.University of Pierre et Marie Curie, Paris -UPMC) <https://www.sorbonne-universite.fr/> <<https://www.sorbonne-universite.fr/>> is looking for a research engineer or a postdoc position in software engineering. This position is funded under the REVAMP2 ITEA project (<http://www.revamp2-project.eu/> <<http://www.revamp2-project.eu/>>) where SU is a scientific coordinator.

Context : Extraction of Software Product Lines

Software Product Lines (SPLs) represent one of the most exciting paradigm shift in software development in the two last decades. Productivity and global quality can be significantly increased in the derivation of a family of products through variability management and the systematic reuse of software assets. However, adopting an SPL approach and designing SPL variability is still a major challenge and represents a risk for a company. The context of this position is what is referred to as Extractive SPL adoption where the main objective is to propose approaches to migrate existing similar product variants, created using the clone-and-own approach, into an SPL.

We are looking for candidate to evolve and extend the BUT4Rreuse framework (<https://but4reuse.github.io/> <<https://but4reuse.github.io/>>) by integrating new techniques and adapters to support needs of our partners within the REVAMP2 project. The candidate should also participate in the different management tasks related to this project.

Requirements:

- Candidates should have a PhD, a Master 2 or an engineer degree in Computer Science,
- Fluent in English (French will be appreciated but not mandatory).
- Programming skills in Java and Eclipse plug-in development.

Host institution:

With 120 research laboratories and 3,500 PhD. student, Sorbonne University, Paris 6. UPMC is located in the heart of Paris. Its computer science research laboratory (Laboratoire d'Informatique de Paris 6 -- LIP6) features 194 permanent researchers, 80 post-docs and 200 PhD. students working in 20 teams covering a wide variety of topics. The position will be hosted at the MoVe (Modeling and Verification) team.

Application

Applicants should send an email to Tewfik (Tewfik.Ziadi [at]lip6.fr) with:

- CV,
- Motivation letter,
- A copy of your highest diploma and transcripts of record, including grades.

- At least two references with contact details.

More information:

- Duration: 24 Month
- Starting date: As soon as possible (ideally during Spring 2018)
- Salary: between 2400-2500 euros / month (net salary), including health insurance.