

# PhD position in Software Engineering and Modeling with Machine Learning

Applications are invited for a PhD position on using Machine Learning techniques to address Software Engineering and Modeling challenges in the context of the continuous development of large-scale industrial Cyber-Physical Systems (CPSs). An objective is to improve and extend, via the use of Machine Learning, our model view approach and framework ([EMF Views](#)) that supports the definition, building and handling of model views combining different heterogeneous models.

The position is for 3 years from September/October 2021, in the context of a large collaborative project involving both academic and industrial partners from 7 different European countries.

Position requirements:

- Master's degree or equivalent in Computer Science, with a specialization in Software Engineering
- Knowledge or special interest in both Modeling/MDE and Machine Learning (ideally)
- Solid software development and programming skills (e.g. in Java for Eclipse/EMF, in Python for ML libraries)
- Good communication skills in English (both oral and writing)

IMT Atlantique is a French elite technological university located in the beautiful city of Nantes, west of France (2 hours by train from Paris) - <https://www.imt-atlantique.fr/en>  
Pleasant working conditions will be offered to the student.

To get more information and apply, please send a complete CV with a corresponding motivation letter, recommendation letter(s) and a list of both already published papers and open source contributions (if any) to Hugo Bruneliere <[hugo.bruneliere@imt-atlantique.fr](mailto:hugo.bruneliere@imt-atlantique.fr)> and Massimo Tisi <[massimo.tisi@imt-atlantique.fr](mailto:massimo.tisi@imt-atlantique.fr)>.