



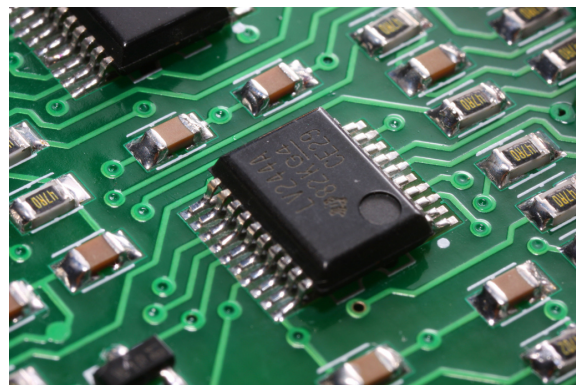
Prof. R. Wattenhofer

Improved Electronic Design Workflow

Electronic design software allows a electronic hardware engineer to create his products. As such software needs a lot of functionality, commercial solutions are expensive. Open source alternatives in turn have a very limited user experience.

The goal of this project is to make PCB design more accessible. We would like you to improve an open source electronic design suite, e.g. KiCad¹, with useful features. For instance the auto-routing capabilities could be improved or the design rule checking extended. Also, the learning curve of the program is quite steep and therefore the user interface could use some improvements.

We are looking forward to hearing your own ideas, how the PCB design workflow could be improved!



Requirements: Creative thinking and programming skills are advantageous to successfully work on this topic. The student(s) should be able to work independently.

During your thesis, you will meet on a weekly basis with your advisor(s), to discuss progress and open questions.

Interested? Please contact us for more details!

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¹<http://kicad-pcb.org/>