



Software Engineering Seminar

# Code Transplantation

## Description

*Code Transplantation* is the notion of taking functionality from a "donor" application and transfer (copy) it to a "recipient" application as, e.g., proposed in [1]. This may be useful when, for example, the donor application is not structured well enough (or at least not structured suitably for the given problem) and extracting the functionality manually would be tedious.

The student should discuss the ideas given in the paper and compare the approach to other uses of code transplantation.

## References

- [1] Stelios Sidiroglou-Douskos, Eric Lahtinen, Anthony Eden, Fan Long, and Martin Rinard. CodeCarbonCopy. In *Proceedings of the 2017 11th Joint Meeting on Foundations of Software Engineering, ESEC/FSE 2017, Paderborn, Germany, September 4-8, 2017*, pages 95–105, 2017.

## Contacts

Simon Heiden ([heiden@informatik.hu-berlin.de](mailto:heiden@informatik.hu-berlin.de))  
Software Engineering Group  
Institut für Informatik  
Humboldt-Universität zu Berlin