Master Thesis ICT in Business
Internship at BMW
LIACS-Supervisor: Prof. Dr. Thomas Bäck

Topic: Software Integration with a Focus on Computer Aided Engineering

Technical process environments such as those within R&D at a leading automotive company typically involve workflow management, data management, various CAE simulation tools, optimization software, to mention only a few. Within this diverse world of tools, all aiming at different aspects of the car development process, integration and communication among the various bits and pieces play an enormous role. The goal of this thesis is to analyze the existing software environment as well as the corresponding business processes, investigate their current alignment, and propose modified or even new business processes and software integration architectures to optimize the business process and IT system environment further.

Most of the work will be executed within the corresponding department at BMW in Munich. The company will pay a standard fee for internships which is usually sufficient to cover accommodation and living expenses in Munich.

Leiden University Supervisor: Prof. dr. Thomas Bäck