February 15, 2017

Project Proposal

subject: Software (Re-)Engineering with PSF & Go

supervisor(s): Bob Diertens, Alban Ponse

programs: bachelor Computer Science, master Computer Science

required knowledge:
        process algebra
        course: Theoretische Aspecten van Programmatuur

students: several

description:
        At https://staff.fnwi.uva.nl/b.diertens/se-pa/ a description of the project Software Engineering with Process Algebra can be found. At https://golang.org/ the Go programming language is described.

assignment:
        Develop an application with the use of the SE-PA method and use the Go programming language as target for the implementation language. Here, the different components of the application must be implemented using concurrent functions that communicate with each other through channels.

options:

      — Another language as target.

      — A re-engineering project.