

*Project Proposal*

subject: Generating Coordination Architectures

supervisor: Bob Dierkens

programs: bachelor Computer Science, master Computer Science

required knowledge:

process algebra

course: Theoretische Aspecten van Programmatuur or Concurrency Theorie

description:

At <https://staff.fnwi.uva.nl/b.dierkens/psf/> a description of the project PSF can be found. PSF is used in the software development process described at <https://staff.fnwi.uva.nl/b.dierkens/sepa/>. In some tools of the PSF Toolkit as well as the development process, the ToolBus is used as a coordination architecture for the interaction between the components of the tools. This has the disadvantage that the ToolBus must be installed on the machines that run the software. The goal of the project is to take the ToolBus out of the equation.

assignment:

Develop a tool that generates a specific coordination architecture in a certain programming language from either a PSF specification or a ToolBus specification.