

Bachelor/Master thesis

Description:

Formal languages are languages that exist due to a formal definition, e.g. mathematics, programming languages, and the language of chemistry. Formal language is often further sub divided into Domain-Specific Language (DSL) and General Purpose Language (GPL). A DSL is a formal language that has been developed for a specific task or for a specific domain while a GPL is a programming language that might be applied to solve a variety of quite different programming tasks. A GPL is a programming language while a DSL does not need to be a programming language. A Controlled Natural Language (CNL) is a DSL that is based on natural language, e.g. based on English, German, or Chinese.

Objectives:

- Identify areas which could benefit from CNL in the domain of logistics and supply chain management (LSCM).
- Development of CNL for such an area.

Requirements:

- High degree of independence and motivation
- Knowledge of a programming language is not necessary, but a big plus
- At least excellent communication and writing skills in either English or German

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