PROPOSED TOPIC FOR A
MASTER THESIS

Chair of
Communications
Engineering

Topic:

Adjustable Testbench for MG-Parser/ - Generators/ -Lexicons

Description:

Minimalist Grammars are a useful, though seldom-used formalism for modeling natural language. In this framework, the syntax of a language is simulated through lists of features assigned to each word of a language. Thus, all possible sequences of words can be represented in short and flexible lexicons.

The goal of this thesis should be to develop a virtual testbench, which can simulate bi-directional natural language usage. This testbench should be flexible with respect to the aspect under test. It should be able to either test a parser, a generator or a lexicons. The last part of the thesis should be the validation of the testbench with components provided by the chair.

Work to be done:

- Develop a testbench for Minimalist Grammar
- Validate the testbench with provided parser, generators and lexicons

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