

Einladung zu einem Gastvortrag des SFB 441, Emmy-Noether Gruppe Kallmeyer

Am Dienstag, den 9. Oktober 2007 um 10 Uhr c.t.
im Raum 3.08, SFB 441 (Nauklerstr. 35)

spricht Marco Kuhlmann (Universität des Saarlandes)

zum Thema:

Dependency Structures and Lexicalized Grammars

Zusammenfassung:

We show that both the generative capacity and the parsing complexity of lexicalized grammar formalisms are systematically related to structural properties of the dependency structures that these formalisms can induce. Dependency structures model the syntactic dependencies among the words of a sentence. We identify three empirically relevant classes of dependency structures, and show how they can be characterized both in terms of restrictions on the relation between dependency and word-order and within an algebraic framework. We develop natural notions of automata and grammars for dependency structures, show how these yield infinite hierarchies of ever more powerful dependency languages, and classify several grammar formalisms with respect to the languages in these hierarchies that they are able to characterize. Our results provide fundamental insights into the relation between dependency structures and lexicalized grammars.

Zu diesem Vortrag laden wir herzlich ein.

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