

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

Am Donnerstag, dem 13. Dezember 2007 um 9 Uhr c.t.
im Raum 3.08, SFB 441 (Nauklerstr. 35)

spricht Eric Villemonte de la Clergerie (INRIA Rocquencourt)

zum Thema:

Thread Automata for Mildly Context-Sensitive Languages

Zusammenfassung:

I present the notion of Thread Automata [TA], a powerful but simple class of automata that naturally covers the class of Mildly Context-Sensitive (MCS) formalisms. The MCS class is linguistically motivated but also ensures the theoretical existence of parsing algorithms with polynomial complexities. After showing how TA may be used to describe parsing strategies for various MCS formalisms (TAGs, local tree and set MC-TAGs, Range Concatenation Grammars), I will present a dynamic programming interpretation of TAs that exhibits a polynomial complexity, directly related to key parameters of TAs. I will conclude with a more prospective illustration of the power of TAs for Minimalist Grammars, some possible extensions of TAs (shared thread automata) and integration with my DyALog system.

Zu diesem Vortrag laden wir herzlich ein.

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