

EINLADUNG

Zeit: Donnerstag, 15. Juli 2004, 16.30 Uhr

Ort: Raum AH I, Ahornstr.55

Referent: Prof. Dr. Gerhard Brewka, Universität Leipzig

Thema: Answer Set Optimization

Abstract:

Recent research in nonmonotonic logic programming has led to a new declarative problem solving paradigm called answer set programming (ASP).

Problems are represented in a way such that certain models (the answer sets) rather than theorems or variable substitutions represent the solutions. This shift in perspective proved to be extremely fruitful in many areas. In the talk we will show how ASP can be extended to a paradigm of qualitative optimization. The basic idea is to distinguish not only between solutions and non-solutions, but also between solutions of different quality. This can be achieved by representing qualitative preferences in (or together with) the underlying logic programs. The talk will describe different techniques developed for this purpose. We also discuss implementation techniques developed for this purpose. We also discuss implementation techniques and possible applications.

Es laden ein: Die Dozenten der Informatik