Informatik-Kolloquium

Rheinisch-Westfälische Technische Hochschule Aachen
Lehr- und Forschungsgebiet Informatik V

EINLADUNG

Zeit: Montag, 25. Februar 2002, 17.00 Uhr

Ort: Hörsaal AH I

Referent: Prof. Dr. Hector Geffner, Barcelona

Thema: Heuristic Search Planning in Artificial Intelligence: Progress and Challenges.

Abstract:

Planning is an old area in AI concerned with the synthesis of action plans for achieving certain goals. Most of the work in planning has been focused on the development of languages for modeling actions and goals, and algorithms for computing action plans. In the last few years, substantial progress has been made by formulating the problem of planning as a problem of heuristic search with heuristics automatically extracted from the problem representation. Most recent planners are based on this formulation. In this talk, I'll review AI planning and heuristic search AI planning in particular. I'll then discuss how these ideas can be used for dealing with richer action models such as those involving time and concurrency (temporal planning), and uncertainty and feedback (probabilistic planning).

Biographical Information: Hector Geffner got his Ph.D at UCLA with a dissertation that was co-winner of the 1990 ACM Dissertation Award. He worked at the IBM T.J. Watson Research Center, at the Universidad Simon Bolivar in Caracas, and recently joined the Universitat Pompeu Fabra in Barcelona. Hector Geffner has been a member of the editorial board of the Journal of Artificial Intelligence Research and has served in the program committee of the major AI conferences.

Es laden ein: Die Dozenten der Informatik