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Fakultäts - Kolloquium

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Ort: Raum 02-017, Geb. 52, Am Flughafen 17

Planning and Plan Recognition in Support of Multiple Trauma Management

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Abstract

The TraumAID system has been designed to provide decision support in the initial definitive management of injured patients. One of the main issues in trauma management is what to do next. To support this decision, as information becomes available about a patient (wound types and locations, signs and symptoms, test results), TraumAID uses (1) rules keyed on this information to identify all management goals that are currently relevant; (2) a multi-goal planning algorithm to produce an efficient and effective plan (partially ordered sequence of actions) for realizing those goals.

While retrospective evaluation has shown TraumAID's plans to be preferred over actual management plans, there is an important question of how to use such plans for management support, to improve the conduct and quality of care. In this talk, I will describe TraumAID and how we have sought to use its plans to critique physician orders. This has required development of (1) an approach to plan recognition that admits multiple goals; (2) an approach to plan evaluation that can recognize clinically significant differences between plans; and (3) an approach to text planning designed to realize multiple related and unrelated communicative goals.

(This talk reflects work carried out by members of the TraumAID group, including John R. Clarke, MD FACS; Ron Rymon, PhD; Abigail Gertner, PhD; Jonathan Kaye, PhD; Beverly Spejewski, PhD; and Sandra Carberry, PhD.)

Gastgeber: Prof. Dr. Bernhard Nebel

Alle Interessenten sind recht herzlich eingeladen.

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