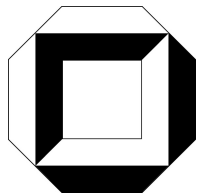


KOLLOQUIUM

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INFORMATIK



Universität Karlsruhe (TH)

Fakultät für

Wirtschaftswissenschaften

„Service-based Process Synthesis”

Dr. Charles Petrie
Stanford University, CA, USA
Stanford CS Logic Group

The concept of synthesis of a process by automatically composing web services has generated great interest in this century. As opposed to systems that attempt to generate general processes for a large class of cases, we experiment with the easier problem of dynamic automatic generation of a process instance. For each new goal, we generate a new process. This has not only the potential to generate new use cases to facilitate today's manual process programming, but also to become a revolutionary software engineering technique.

Our approach is to re-use last century configuration-style planning technologies, as action interaction does not yet seem critical. We provide incremental replanning in order to account for service failure at execution time.

We do not address the semantic problems of discovery and unification, instead targeting single enterprise service communities where these problems have been solved by fiat. There remain significant semantic annotation and planning problems peculiar to web services: most notably, the propagation of instance data to web service input and output values while planning for pre- and post-condition annotations, and the fundamental need for additional service annotations not usually considered.

Termin: **Mittwoch, 21. Mai 2008, 15.45 Uhr,**

Kollegiengebäude am Ehrenhof, **R. 231**

Zu diesem Vortrag lädt das

*Institut für Angewandte Informatik
und Formale Beschreibungsverfahren*

alle Interessierten herzlich ein.