

## EINLADUNG

Zeit: Mittwoch, 18. April 2007, 14.30 Uhr

Ort: Raum 5054, Ahornstr. 55

Referent: Dipl.-Ing. Michail Miatidis

Thema: **Integrated Experience-Based Support of Cooperative Engineering Design Processes**

**Abstract** Engineering design processes involving extensive synergy among human experts are highly creative and cannot be prescribed in advance. As a consequence, many available process support systems that are based on hardcoded assumptions fail to provide them with adequate support. The goal of this talk is to present an approach for the fine-grained support of design processes, taking their creative character into consideration. More specifically, the approach exploits the idea of flexible process integration of existing tools and builds a mechanism for the direct reuse of product, media and process experiences captured in previous design processes. As a result, the reuse mechanism is able to automatically discover the current problem context of the design expert and return relevant experiences. Moreover, the reuse interfaces are seamlessly integrated into the normal design tasks of the design expert, and can even methodically guide him through parts of the reuse process itself. The developed concepts have been validated by implementation in an interdisciplinary project dealing with the support of early design phases in chemical engineering.

Es laden ein: Die Dozenten der Informatik