ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG

FAKULTÄT FÜR ANGEWANDTE WISSENSCHAFTEN

# Fakultäts - Kolloquium

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## Entwurf eines Multimedia Mediators

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### Abstract

A multimedia system can be considered as a distributed, federated, extensible information system that supports a wide range of object types and allows a high degree of autonomy of its components. A multimedia mediator aims at providing a well-structured and controlled gateway to some application dependent part of the whole system. We present our overall design of such a mediator. The design is based on multimedia schemas and on object-oriented concepts. In particular we employ proxy objects for external multimedia items, and we introduce types for semi-structured multimedia items. High level query processing hides all details of external communications, and query optimization takes advantage of parallel processing capacities of external sources and of materializations of previous query answers in the proxy state.

Gastgeber: Prof. Dr. Georg Lausen

**Alle Interessenten sind recht herzlich eingeladen.**

Organisation : Prof. Dr. B. Becker / H. Hengster

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