

Seminar

Recent Trends in Database Research

Summer Term 2011

Lehrgebiet Informationssysteme

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**AG Datenbanken und
Informationssysteme**



**AG Heterogene
Informationssysteme**

- Topic 1: Column store databases (C-Store, MonetDB)
- Topic 2: RDF triple stores, SPARQL and the semantic web
- Topic 3: Distributed key-value stores (Bigtable, HBase, Cassandra)
- Topic 4: Scientific data processing (SciDB)
- Topic 5: Operating system for massively-parallel data processing (Barrelfish)
- Topic 6: One-size-fits-all databases (HyPer, OctopusDB)
- Topic 7: High-performance OLTP (VoltDB)
- ...

- Familiarize yourself with a scientific topic independently
- Find scientific literature on web or in the library (DBLP, Citeseer, Google)
- Prepare a written composition, presentation, and discussion
- Cite correctly
- Don't copy and paste!
- Time Management

Searching for Literature

- Some basic literature is provided by your supervisor
- You have to search for further literature
- Collect a list of related literature and send it to your supervisor

Annotated Table of Contents (TOC)

- Prepare an annotated TOC for your supervisor (approx. 1.5 pages)

Written Composition

- LNCS Layout
- PDF Format required
- Length: 6000–8000 Words (net.) \cong 15–20 Pages
- Correct and complete bibliography
- Deadline: two weeks before the presentations start

- Length: 60 Minutes (45 minutes for the presentation, 15 minutes for the discussion)
- Presentation:
 - Projector (private or one of our notebooks)
 - Overhead slides
- You must submit your presentation electronically, one week after you gave your talk
- First talks are scheduled for
 - Friday, July 8th, 2011
 - Room 36/336, 13:30 pm

- **“Unbenoteter Schein”:**
 - Meet the deadlines!
 - Decent presentation
 - Be present when others give their talks

- **“Benoteter Schein”**

- See above

Criteria for grading:

- Quality of your written composition
- Quality of your presentation (including your slides)
- Discussion
- Meeting the deadlines
- Overall impression of your supervisor
- ...

- Wednesday, April 20th: Kick-off meeting
- Wednesday, May 4th: Deadline for literature list
- Wednesday, May 18th: Deadline annotated TOC
- Wednesday, June 29th: Deadline written composition
- Friday, July 8th, 2011: Presentations

All deadlines are strict!

Thank you for your attention!

A large, light gray question mark is centered on the slide, positioned behind the word 'Questions'.

Questions

Select your topic...now!

- Topic 1: Column store databases (C-Store, MonetDB)
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Homepage

- <http://www.lgis.informatik.uni-kl.de/cms/courses/seminar/>

LNCS

- <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>

DBLP

- <http://www.informatik.uni-trier.de/~ley/db/>

Typography

- <http://www.zvisionwelt.de/typokurz.pdf>