

# Seminar

## Recent Trends in Database Research

Winter Term 2011/2012

Lehrgebiet Informationssysteme

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**AG Datenbanken und  
Informationssysteme**



**AG Heterogene  
Informationssysteme**

- Topic 1: Column store databases (C-Store, MonetDB)
- Topic 2: High-level languages for MapReduce (PigLatin, Jaql)
- Topic 3: One-size-fits-all databases (HyPer, OctopusDB)
- Topic 4: Management of uncertain data (Trio)
- Topic 5: Operating system for massively-parallel data processing (Barrelfish)

- 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

- 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, January 20<sup>th</sup> 2012
  - 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, October 19<sup>th</sup> 2011: Kick-off meeting
- Wednesday, November 2<sup>nd</sup> 2011: Deadline for literature list
- Wednesday, November 16<sup>th</sup> 2011: Deadline annotated TOC
- Wednesday, January 11<sup>th</sup> 2012: Deadline written composition
- Friday, January 20<sup>th</sup> 2012 and  
Friday, January 27<sup>th</sup> 2012: Presentations

**All deadlines are strict!**

## 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>



# 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)
- Topic 2: High-level languages for MapReduce (PigLatin, Jaql)
- Topic 3: One-size-fits-all databases (HyPer, OctopusDB)
- Topic 4: Management of uncertain data (Trio)
- Topic 5: Operating system for massively-parallel data processing (Barrelfish)