Seminar
Recent Trends in Database Research

Winter Term 2011/2012

Lehrgebiet Informationssysteme

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Topics

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)
Goals

• 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
Written composition

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.) ≈ 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 20th 2012
  - Room 36/336, 13:30 pm
How you successfully pass the seminar

- **“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
- ...
Schedule

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

All deadlines are strict!
Links

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
Thank your for your attention!
Select your topic...now!

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