Praktikum Protokolldesign

Wintersemester 2007/2008
TU Berlin, FG INET

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http://www.net.t-labs.tu-berlin.de/teaching/
ws0708/PD_labcourse/

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General Information

- Area: Betriebs- und Kommunikationssysteme
- Tutorial: Tuesday 14:00h – 16:00h
- Discussion Groups: tba
- Language:
  - Tutorial: German
  - Slides: English (maybe also German)
  - Discussion groups: your choice
- Web site: http://www.net.t-labs.tu-berlin.de/teaching/0708/PD_labcourse/
- Contact: praktikum@lists.net.t-labs.tu-berlin.de
Contents

- Logfile and/or packet trace analysis
- Socket (network) programming
- Design and implementation of network protocols:
  - Peer-to-Peer protocol. Atop the P2P protocol we will design and implement:
    - Routing protocols
    - File exchange
    - Transport protocol
Organization

- Tutorials (Zentralübung):
  - **Tue, 14h-16h**, Telefunken building, 20th floor
  - Handout of new work sheet
  - Introduction to the sheet, hints, questions, background infos
  - Not compulsory but strongly suggested

- Working time: 1 week

- Work in teams of two

- Electronic submission: **Tue, 11:59h s.t.**
Organization

- Debriefing: weekly discussion groups
  - Work sheet is only complete after debriefing
  - Our computer pool room: Telefunken 15th floor
  - Time: tba
- We strongly suggest PERL
- PERL introduction will be given
- Alternatively: C, C++, JAVA
- Other programming languages after arrangement
Discussion Groups

- Attending is compulsory
- Approx. 4 teams per discussion group
- One teams presents their solution
- What did you do? Where were the problems
- Afterwards: Other teams are debriefed
- Both team members must be able to explain the code / the solution!!
Grading

- At least 25% per sheet (one sheet free)
- Code and debriefing
- Points can be refurbished
- Attending the discussion groups is compulsory
- Final grading key: tba
- See Website for details
Registration

- Available now on the website
- Register until:
  Mon, Oct. 22, 23:59h s.t.
- Building the teams:
  - Register as a team of two
  - Or: register solo and we assign a partner
- You can define your preference for discussion groups time slots
Questions

- Website (esp. the FAQ)
- Mail to:
  praktikum@lists.net.t-labs.tu-berlin.de

- Or now ;-)