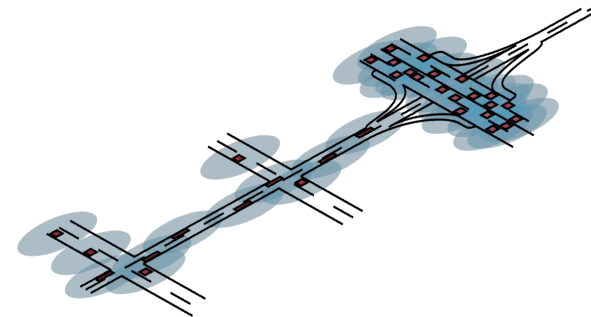Institute of Information Ressource Management | Ulm University | Germany

Computer Networks Seminar

Yvonne Günter

Content:
- **General things**
- **Schedule**
- **Topics**

Lecture Computer Networks

- Concept of networking with emphasis on the details of IP-based protocols
- Design, features and architecture needed in a computer network environment.
- Basics of current and evolving standards meeting communication requirements
- Introduction to computer networks
- ISO OSI-model
- Internet technology and protocols
- Networks for special purposes like field buses or multimedia netoworks

General things

Aim of the seminar:

- Deeper understanding for specific topics of the lecture
- Information is provided by students for other students
- Students should learn to
  - Gather information for a specified topic
  - Arrange information in a way suitable to explain to others
  - Prepare and hold presentations

Procedure:

- List of topics will be given at the beginning of the semester
- Groups of two students choose a topic from the list
- Presentation slides with an explaining text (4-5 pages) have to be submitted to the supervisor one week before the presentation date

Some rules

Special presentation date in case of
- Low quality of the slides provided
- Handing in the presentation after the deadline
- Unconvincing way of presenting the topic
-

A successful presentation during the seminar is mandatory to be allowed to the exam

Your attendance during the seminar is mandatory. The topics of the seminar are relevant for the exam!

Not like this

Bad example:

- This is a not so nice example, because if you write this much text on a slide, the listener will be reading a lot and cannot listen at the same time. This means he doesn't get the whole information. In a good presentation there are only relevant keywords on the slides and the explanations are given by the speaker. The presentation should be done without just reading the slides
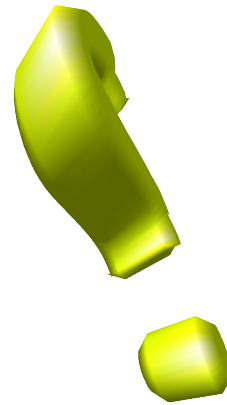
Better:

- Keywords instead of long texts
- Additional explanations are given by the speaker
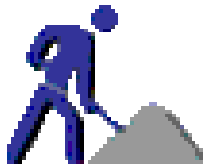
Not like this (2)

bad layout

Original size
suddenly larger
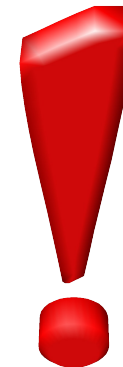fonts in this style are hard to read. Use Sans Serif fonts like Arial

Oh, I remembered something, so I just put it here

Additional text boxes positioned in an unstructured way don't help to recognize the logical flow

Important additional information, which is not important for the understanding, but there was a white space on the slide, so I put it here.
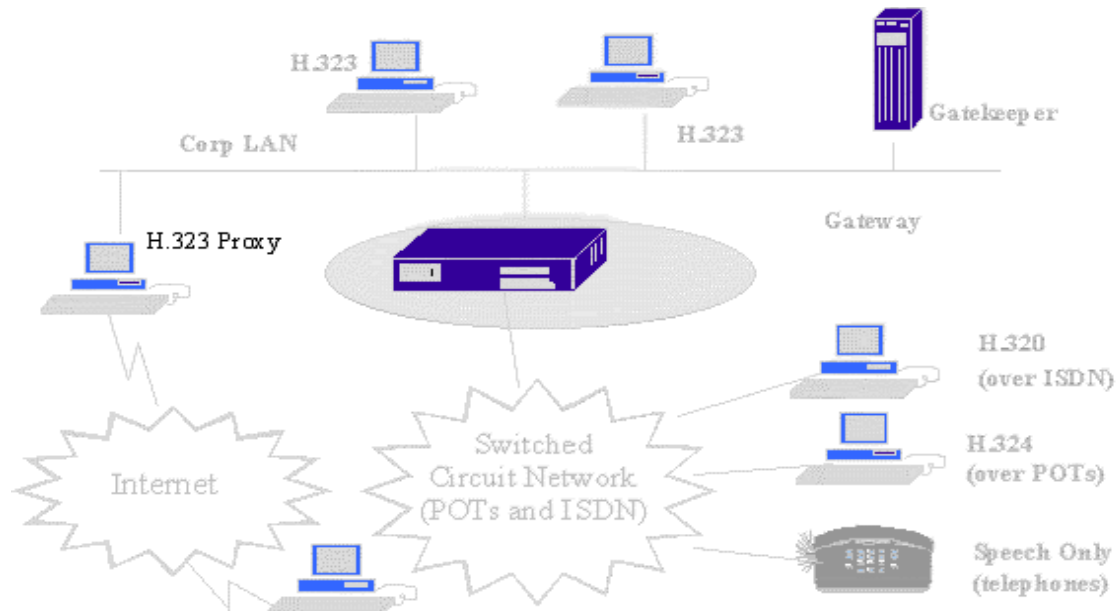
What a nice
picture.
So colorful!

There was no more space, so I use a little tag at the border

Not like this (3)

- – Picture often say more than many words
- – But only if they are visible
- – Therefore use sharp figure with sufficient text size
- – Simple drawings are often better than complex figures from literature

Guidlines for good presentations

Text layout

- – Generally: subinformation uses smaller font sizes
- – Avoid to use just one additional information under a keyword
- – Use Sans serif fonts like Arial
- – Uniform layout for all slides

Figures have to improve the understanding and mustn't just be color spots

Number of slides has to fit to the given time

- – guide line: 1-2 per slide, sometimes even more
- – maximum 25 slides for 30 minutes

Templates with appropiate settings are available from our website.
Use them!

Schedule

Begin of the seminar: 20.11.2007

10 lectures with student presentations during the semester

Begin of the seminar: 15:00

2 presentations per date are possible with 30 minutes each

Possibility to ask questions at the end of each presentation

Topics (unsorted - keywords)

– Wireless Technologies (IEEE802.11, Bluetooth)

– Protocols in the internet (Ipv6, Mail, Mobile IP, routing)

– Voice over IP – H.323, RTSP, IAX...

– Multimedia concepts in the internet (IntServ, DiffServ, MPLS, Traffic Engineering)

– Security and Privacy (NAT, Firewall, VPN, Authentication)

Contact Information

Informationen on the web

- groups

- presentation schedule

- presentation templates for OpenOffice and PowerPoint

- lecture material

- addresse: omi.e-technik.uni-ulm.de

Contact

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