Welcome to TDTS06
Computer Networks

Instructor: Professor Andrei Gurtov

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People

- Examiner and Lecturer
  – Andrei Gurtov, Professor
  – Research area: Networking, network security, cloud computing, future Internet architectures, peer-to-peer communication, ...
- Guest Lecturer
  – Niklas Carlsson, Associate Professor
  – Research area: Design, modeling, and performance evaluation of distributed systems and networks
- Lab assistants
  – ALIREZA MOHAMMADI NODOOSHAN, Guest researcher
  – Eric Henziger, Senior undergraduate
  – Nikita Korzhitskii, PhD student
- Course Secretary
  – Madeleine Häger Dahlqvist
- Director of studies
  – Patrick Lambrix

Course Overview

- Written exam
  - Grads: 'fail', 3, 4, 5.
- Four (4) mandatory lab assignments
  - Must pass all four labs
  - Eight lab opportunities
  - Please register on webreg right away!! (deadline on Friday)
- One (1) optional assignment
  - Up to 4 bonus marks for exam
- Twelve (12) lectures + one (1) exam prep.
- See website for more information …

My expectations

- Buy and read the textbook
  - Very good textbook, written by highly regarded researchers in the field
  - No time to cover everything during lectures
  - Read the corresponding chapter before the lecture!
- Work hard
  - Pay attention during lectures
  - Make sure you understand the material
  - Start assignments early (some will take time)
  - Ask questions! No questions = everything is clear, can increase the pace
- Follow deadlines and office hours

About the Lecturer

- Working hard for 20 years to make the Internet better
- Co-author of 5 RFCs, co-chair at IETF
  - including NewReno TCP, one of the most used (Berkeley)
- 4 books on 5G, P2P, security protocols, SDN
- ACM Distinguished Scientist
  - Over 200 journal and conference papers
- 12 supervised PhD theses
  - Alumni at Google, SuperCELL, Nokia, Ericsson, VMware
- IEEE Distinguished Lecturer
  - Tours: Puerto Rico, AbuDhabi, Lebanon, Panama, Dominican Republic, Novosibirsk

What to expect? (What will be covered?)

- Design principles for computer networks
  - Conceptual view of Internet architecture
- Design, resource, and performance tradeoffs
  - General working knowledge of protocols/applications
  - Detailed knowledge of selected protocols/applications
  - Some practical hands on experience
- Glimpse into the future of the Internet
  - Emerging trends and technologies

So let's start the course …