Internet Measurement

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General information (1)

- **Area:**
  - Diplom (Informatik): BKS – Hauptstudium Vertiefer
  - Master (Informatik): Kommunikationsbasierte Systeme
  - Bachelor (Informatik): Kommunikationstechnik
  - Master (techn. Informatik): Techn. Anwendungen

- **Time**
  - Thursday: 10:00 – 12:00

- **Room**
  - MAR 0.011

- **Language**
  - English (questions can be asked in German!)
General information (2)

- Web site
  - http://www.inet.tu-berlin.de/menue/teaching0/ss2014/im14/
- ISIS
  - https://www.isis.tu-berlin.de/2.0/course/view.php?id=1574
- Prerequisite:
  - Grundstudium
  - NPA, TKN or equivalent knowledge of the Internet
General information (3)

- Lecture with integrated exercises
  - Lectures
  - In class practical exercises
    - Good participation will lead to bonus on grade
    - Passing of the exam necessary to get bonus
  - 2 SWS / 3 LP

- Exam
  - For those that need it 😊
  - Oral exam after semester end
General information (4)

- Co-Lecturer: Dr. Ramin Khalili

- Past:
  - Universite Pierre et Marie Curie: PhD in CS (Networking)
  - EPFL: Senior researcher in networking

- Now:
  - T-Labs & TU Berlin (FG INET)
    - Senior Researcher in Networking

- Research areas:
  - Design and optimization of networking protocols
  - Resource management and load control in wireless networks
General information (5)

- Co-Lecturer: Georgios Smaragdakis, Ph.D.
- Past:
  - Technical University of Crete
    - Diploma in Electrical & Computer Engineering
  - Boston University, Boston, USA
    - Ph.D. in Computer Science (Networking)
- Now:
  - T-Labs & TU Berlin (FG INET)
    - Senior Researcher in Networking
- Research areas:
  - Content Distribution, Internet Measurements
What is this course?

- Not an introduction to the Internet
- Focus: Measuring the Internet
  - Methodology
    - Why to measure
    - How to measure
    - How to interpret measurement results
    - How to do performance evaluation
  - How does the Internet actually look like
    - Application characteristics
    - Traffic characteristics
    - Topology / route choice
Reading


- Preliminary first edition online: student (quarter24)

- ... see Web