



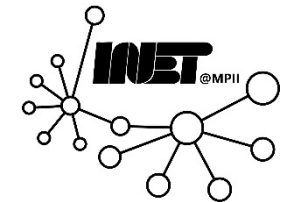
Data Networks

Prof. Anja Feldmann, Ph.D.

Dr. Oliver Gasser

Dr. Savvas Zannettou

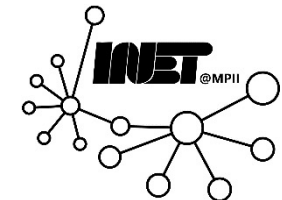
Dr. Devashish Gosain



Who are we? Anja Feldmann



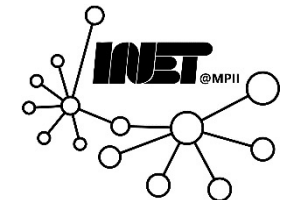
- Education
 - Diplom: University of Paderborn, Germany
 - Ph.D.: Carnegie Mellon University (CMU), Pittsburgh, US
- Work experience
 - Researcher at AT&T, Murray Hill, Florham Park, US
 - Professor at
 - 00 – 02: University des Saarlandes, Germany
 - 02 – 06: TU München, Germany
 - 06 – 17: TU Berlin, Germany
 - 18 – MPI Saarbrücken, Germany
 - SAP SE Supervisory Board member 2012 – 2019
- Research interests
 - Internet measurement, performance evaluation, network architecture



Who are we? Oliver Gasser



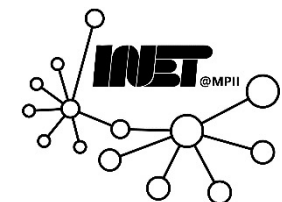
- Education
 - Dr. rer. nat.: TU München, Germany
- Work experience
 - Postdoctoral Researcher
 - 20 – MPI Saarbrücken, Germany
- Research interests
 - Internet measurements, empirical security analysis, DNS deployment



Who are we? Savvas Zannettou



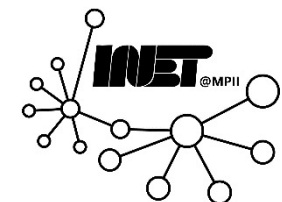
- Education
 - Ph.D.: Computer Science from Cyprus University of Technology, 2019
- Work experience
 - Research Intern
 - 2017 - 2018 Telefonica Research (12 months)
 - Postdoctoral Researcher
 - 2019 – current MPI Saarbrücken, Germany
- Research interests
 - Social Networks, Hate Speech, Misinformation



Who are we? Devashish Gosain



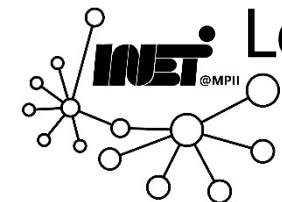
- Education
 - Ph.D.: Computer Science from IIIT Delhi, India (2015-2020)
- Work experience
 - Research Intern
 - 2019 - Brigham Young University, USA (6 months)
 - Postdoctoral Researcher
 - 20 – MPI Saarbrücken, Germany
- Research interests
 - Internet censorship, Anonymity, Internet measurements



General Information



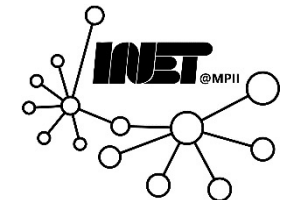
- Stammvorlesung
 - Master/Bachelor
- Virtual lectures: Videos available for download on lecture site
- Q&A for lecture material: Time and Rooms (check lecture site for link)
 - Tuesday 4 - 6pm Virtual Room
 - Friday 12 - 2pm Virtual Room
- Tutorials: Time and Rooms (check lecture site for link)
 - Friday 2 - 4pm Virtual Room
 - Monday 12 - 2pm Virtual Room
- Web site: <https://www.mpi-inf.mpg.de/inet/>
- Lecture site: https://inet-teaching.mpi-inf.mpg.de/dn_21/



General Information (2)



- Tutorials
 - Weekly homework assignments/exercises
 - Weekly recitation sessions
- Homework grading – prerequisite for exam!
 - 50% of homework points => passed tutorials
 - 60% of homework points => + 0.3 bonus for exam grade
 - 75% of homework points => + 0.7 bonus for exam grade (bonus does not apply for failed exams!)
- Registration for course/tutorials
https://inet-teaching.mpi-inf.mpg.de/dn_21/



General Information (3)

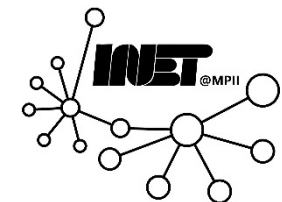


- Tutors

- Said Jawad Saidi, Mirko Palmer (organization)
- Seif(eddine) Fathalli, Aniss Maghsoudlou (organization)
- Mohamad Hoseini
- Zubair Sediqi
- Emilia Weyulu
- Cristian Munteanu
- Daniel Wagner
- Danesh Zeynali
- Florian Schießl

- Exam

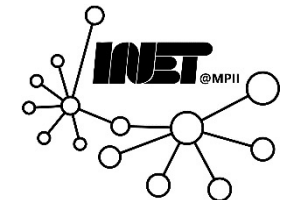
- Most likely oral exam after lecture periods ends



General Information (4)



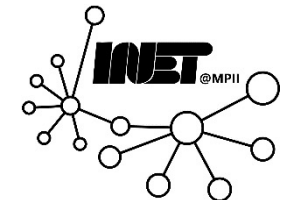
- Homework
 - Start: After **second** Q&A session
 - Hand-in by Friday before 12pm (one week later!)
 - Online via course site https://inet-teaching.mpi-inf.mpg.de/dn_21/
 - **Plagiarism: Not allowed**
(Copy from Internet, text book, each other, ...)
 - Group discussions OK but no verbatim solutions!
 - No points for whole assignment (first occurrence)
 - Exclusion from class (repeat offenders)
- Online tutorial
 - Start: This **Friday 16th April 02:15pm**
Monday 19th April 12:15pm



Exam



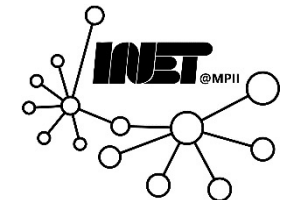
- Oral Exam (most likely due to Corona restrictions)
 - Dates: July/August (after the end of the lecture period)
 - Course registration: According to Uni-SB regulations
- Language
 - Questions: English
 - Answers: English or German



What is this course about?



- Principles underlying the Internet
- Goals
 - Identify, study common architectural components, protocol mechanisms
- Examples
 - Internet architecture
 - Network application protocols
- Principles
 - State handling, Virtualization, ...



Background reading



- Kurose and Ross:
Computer Networking: A Top-Down Approach Featuring
the Internet.
Sixth edition, Addison-Wesley
Preliminary edition (2000) online: student (quarter24)
- Peterson, Davie:
Computer Networks. A systems approach
Morgan Kaufmann
- ... see Web

