

CS 5450

Networked and Distributed Systems

Vitaly Shmatikov and Deborah Estrin

Motivation

◆ The Internet

- Every system you use or build does and will depend on it – good to know how it works
- Lessons for scalability, longevity and robustness

◆ Distributed Systems

- Key techniques for building robust, scalable and performant systems on top of Internet infrastructure
- Mobile, Web, cloud, P2P...

Course Logistics

- ◆ Lectures: Monday Wednesday, 1:00-2:15pm
- ◆ Course webpage:

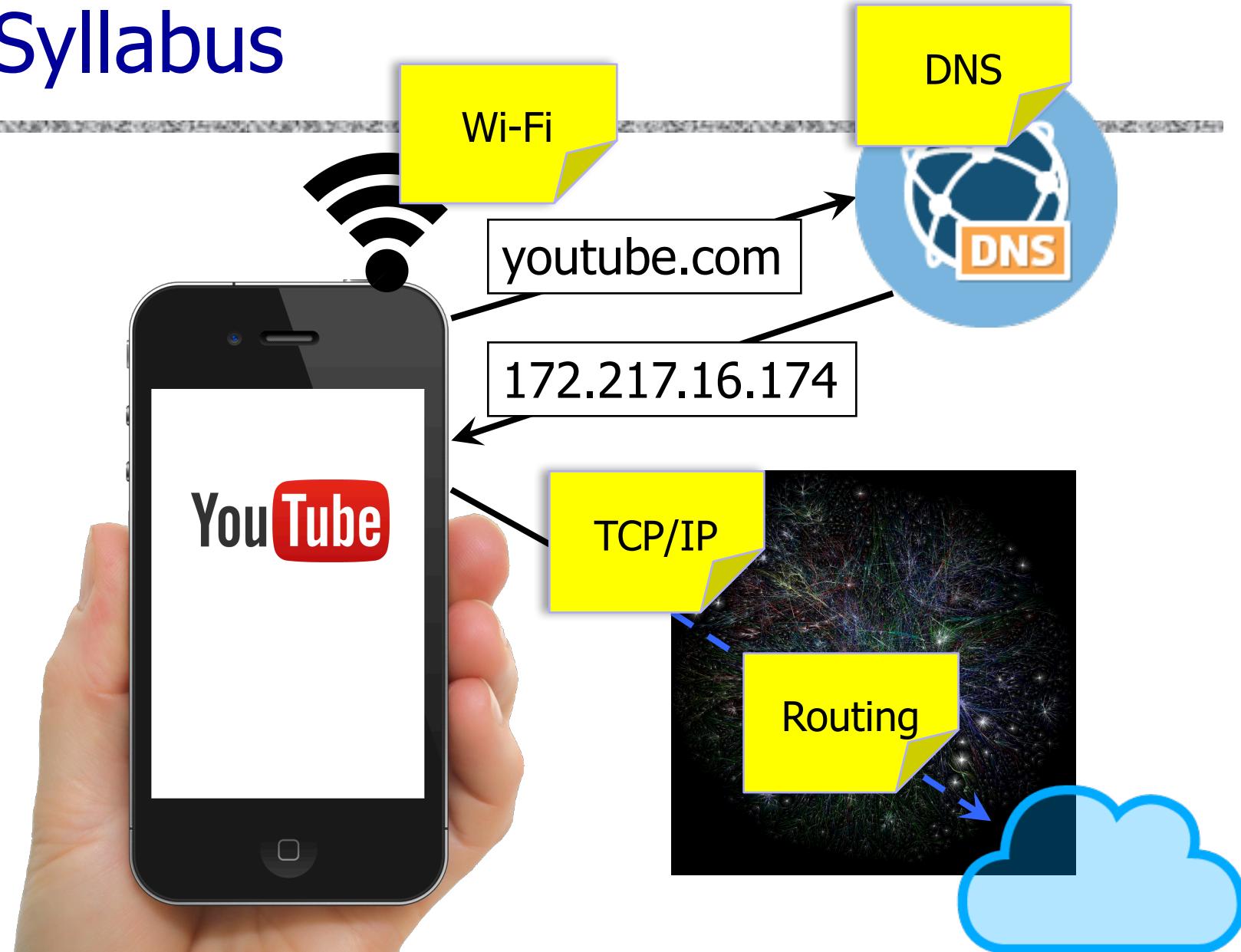
<https://pages.github.coecis.cornell.edu/cs5450/website/>

- ◆ TA: Eugene Bagdasaryan

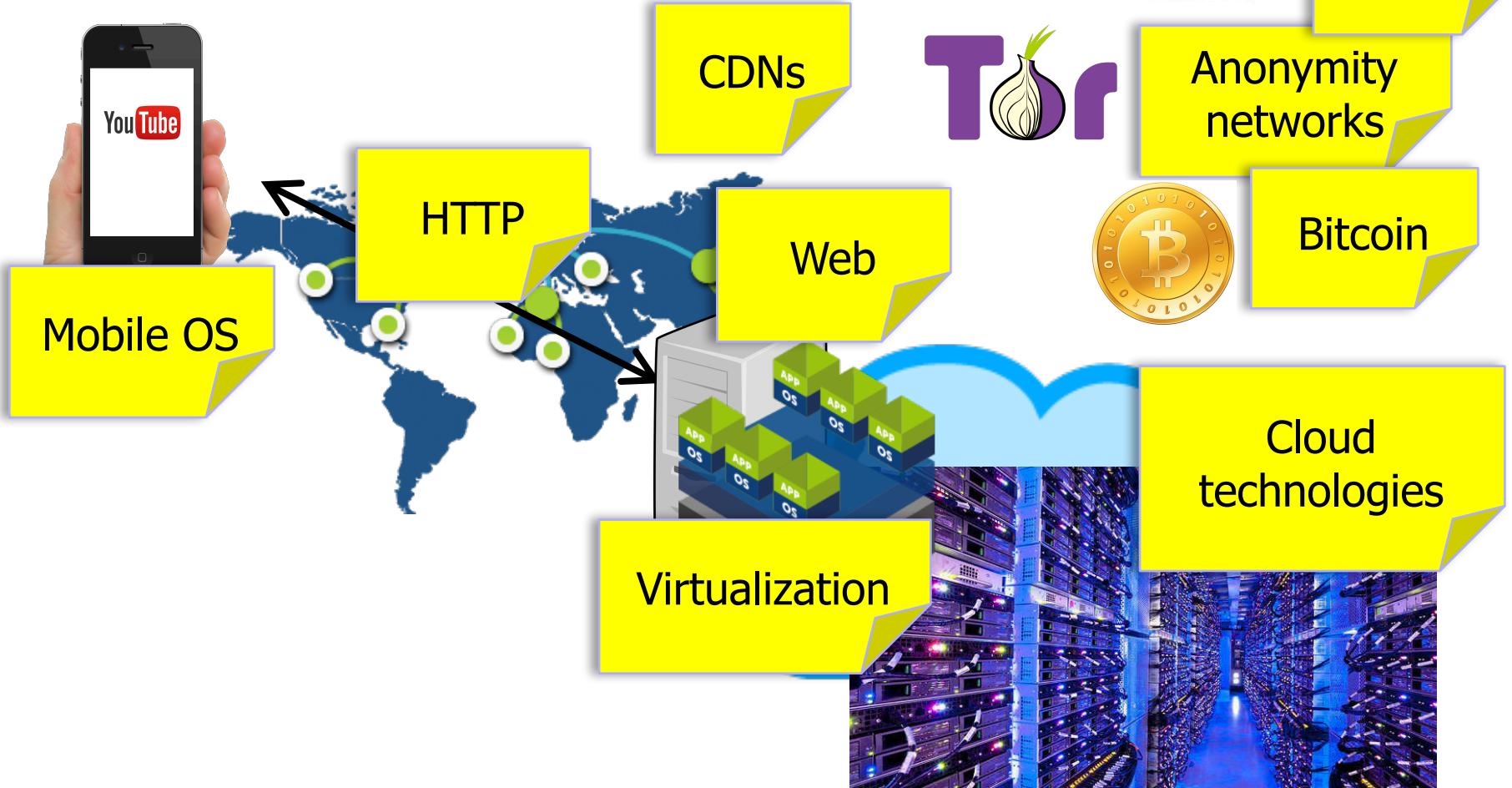
Grading

- ◆ Weekly class attendance/participation (solo): 10%
- ◆ Four labs (in rotating pairs): 60% (15% each)
 - Implementation, data capture, analysis
 - 2 late days to use as you see fit... once used up, no late assignments accepted (applies to both team members)
- ◆ Two in-class midterms (solo): 30% (15% each)
 - Pen-and-paper exercises, 1-page reference sheet Ok

Syllabus



Syllabus



Schedule

- ◆ See course website for the first few weeks
- ◆ Start with principles, then get into concrete systems
- ◆ Get started on Lab 1 early
 - Already available on GitHub
- ◆ We are glad to help!