

## Course Overview

# Internet Measurements Seminar

<https://www.ce.cit.tum.de/cm/teaching/2023-seminar-internet-measurements/>

Mike Kosek, Trinh Viet Doan

April 19, 2023

# Outline

1. Seminar Structure and Grading Scheme
  - a. Reviews
  - b. Presentation
  - c. Participation
2. HotCRP Example
3. Presentation Examples
4. Organizational Matters

# 1. Seminar Structure and Grading Scheme

- ❑ Regular conference paper publication process:
  - Call for Papers: Submission until specified date
  - Round of reviews by technical committee: decision to accept/reject?
  - Presentation of accepted/revised papers during conference sessions
    - Followed by discussion and Q&A
  
- ❑ In this seminar:    **Reviews + Presentations**
  - Pre-selected (published) papers on Internet measurements Grading
  - Each student reviews papers for the sessions **40%**
    - Include 3 in-depth questions about paper **10%**
  - Each student presents 1 paper (~12-13 min + 5-7 min discussion) **40%**
    - Include own thoughts (on relevance of paper) in 1-2 slides **10%**

## 2. HotCRP Example (<https://hotcrp.com/>)

Internet Measurements Seminar 2018 Home

doan@in.tum.de [Profile](#) · [Help](#) · [Sign out](#)

Search

(All) Search

(All) in Submitted papers Search

Search Advanced search Saved searches View options

ID	Title	# Reviews	RepCod
<input type="checkbox"/>	#1 Characterizing a Meta-CDN	0	
<input type="checkbox"/>	#2 Open Connect Everywhere: A Glimpse at the Internet Ecosystem through the Lens of the Netflix CDN	6	
<input type="checkbox"/>	#3 A First Look at QUIC in the Wild	6	
<input type="checkbox"/>	#4 Real-time Video Quality of Experience Monitoring for HTTPS and QUIC	5	
<input type="checkbox"/>	#5 Mission Accomplished? HTTPS Security after DigiNotar	5/6	
<input type="checkbox"/>	#6 Understanding the Role of Registrars in DNSSEC Deployment	7	
<input type="checkbox"/>	#7 Performance Characterization of a Commercial Video Streaming Service	0	
<input type="checkbox"/>	#8 Vroom: Accelerating the Mobile Web with Server-Aided Dependency Resolution	6	
<input type="checkbox"/>	#9 Deep Diving into Africa's Inter-Country Latencies	6/7	
<input type="checkbox"/>	#10 Inside the Walled Garden: Deconstructing Facebook's Free Basics Program	6	
<input type="checkbox"/>	#11 Cell Spotting: Studying the Role of Cellular Networks in the Internet	6/7	
<input type="checkbox"/>	#12 Dissecting VOD Services for Cellular: Performance, Root Causes and Best Practices	7	
<input type="checkbox"/>	#13 Challenges in Inferring Internet Congestion Using Throughput Measurements	5/6	
<input type="checkbox"/>	#14 TCP Congestion Signatures	7/8	

Select papers (or select all 14), then Download · Tag · Assign · Decide · Mail

### Write Review

Offline reviewing Upload form:  No file chosen   
[Download form](#) · Tip: Use [Search](#) or [Offline reviewing](#) to download or upload many forms at once.

#### Paper summary

Please summarize the paper briefly in your own words.

#### Strengths

What are the paper's strengths? You may comment on the importance of the problems addressed, the novelty of the proposed solutions, the technical depth and potential impact.

#### Weaknesses

What are the paper's weaknesses? Just a couple sentences, please.

#### Technical Aspects

Is the research question well-motivated? What technical aspects are missing to understand the paper?

#### Security Considerations

Did the authors cover attacks and defense mechanisms (implicitly/explicitly)? Are there others that are missing?

#### Presentation of Proposal

Does the abstract convince the reader to read the full paper? Is the paper well-written and well-organized overall? Does the conclusion address the problem identified in the introduction?

## 3. Presentation Examples

- ❑ Presentations typically follow the structure of the paper
  - Motivate the subject
  - Explain methodology
  - Present and discuss **main/most interesting** results
  - Summarize key findings/conclusions and describe outlook
  
- ❑ Examples for presentations:  
<https://www.ce.cit.tum.de/cm/teaching/2017-seminar-internet-measurements/>

## 4. Organizational Matters

- Seminar sessions will take place roughly every two weeks to provide enough time for reading and preparation of papers via BBB (<https://bbb.in.tum.de/>)
  
- Reviewing process: Invite to HotCRP instance
  - Presented papers will be imported to HotCRP for reviewing
  - Review form provides prompts to assist in commenting on the papers
  - Reviews due until presentation date **if not presenting** on that day
  - Overall 6 Reviews throughout the seminar