

# Internet Measurements Seminar

<https://www.ce.cit.tum.de/cm/teaching/summer-term-2025/internet-measurements-seminar/>



# Outline

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3. Presentation Hints
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# 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 + Presentation
  - Pre-selected (published) papers on Internet Measurements
  - Each student reviews papers for the sessions
    - Include 3 in-depth questions about the paper
  - Each student presents 1 paper (**~12-13 min + 5-7 min discussion**)
    - Include your own thoughts on the paper in one slide at the end

*Grading*

**40%**

**10%**

**40%**

**10%**

# 1. Learning Goals and Outcomes

- Learn about latest research in the area of Internet Measurements
  - Current problems, state-of-the-art methodology, open questions
- Acquire general skill set by taking roles of a reviewer and a presenter
  - Scientific conference/workshop, peer reviewing, paper publication process
    - How are good research papers presented in written form?
    - Importance of reproducibility and artifacts
  - Critical thinking while reading/reviewing papers and listening to talks
    - Questioning content, identifying strengths/weaknesses
    - Extract key results and main findings → takeaways
    - Presentation and discussion of results in concise manner for a talk

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

Internet Measurements Seminar 2018 Home

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Search

(All) Search

(All) in Submitted papers Search

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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: [Choose File](#) No file chosen [Go](#)  
[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?

## 2. Reviewing Process

- We invite each of you to our HotCRP instance
- Check email address (login) in invitation email
- Registration form: affiliation/collaborators can be anything (e.g., TUM)
- Papers will be imported to HotCRP for reviewing
  
- Paper assignment by us
- Reviews are due until the presentation date **if not presenting** on that day
  - i.e., before a session you either review OR prepare a presentation
- Overall 6 reviews throughout the seminar

## 2. Writing Hints for Reviews

- Review form provides prompts to assist in commenting on the papers
- If you used AI assistance for writing (i.e., anything beyond Grammarly), you must mark anything produced by such tools (incl. which one you used)
- For in-depth questions:
  -  Avoid generic questions such as “*Can we apply AI/ML?*”
  -  Try to ask questions that, e.g., propose changing the design or configuration of the study and briefly elaborate on why

### 3. Presentation Hints

- Presentations typically follow the structure of the paper
  - Motivate the subject (simultaneously) (simultaneously) (~15% of time)
  - Explain measurement methodology (~40% of time)
    - Keep it simple: don't lose yourself in details; add background if needed
  - Present and discuss **main/most interesting results** (~30% of time)
    - Usually summarized in abstract
  - Summarize main findings/conclusions and describe outlook (~10% of time)
  - Add your own thoughts on the paper in 1 slide (~5% of time)
    - e.g., strengths weaknesses, limitations
- Practice your presentation
  - Get feedback from your fellow students
  - Be aware of the **time limit of ~12-13 min (time keeping is part of the grade!)**



## 4. Organizational Matters

- Paper selection: you decide which subset of papers will be discussed in the course!
  - List of seminar papers in Moodle
  - Send us your preferences by May 02 23:59 via email:
    - Paper to present: Top 5 papers in descending order
    - Presentation dates: Top 3 presentation dates in descending order
- We will assign the papers and presentation dates by May 05, and announce them via Moodle
- Reviews will be assigned by us!

## 4. Organizational Matters (contd.)

- Seminar sessions will take place roughly every two weeks (to provide enough time for reading and preparation of papers) on BBB (<https://bbb.cit.tum.de/jus-z5f-fbr-6we>)
- Sessions start at 4 p.m.
- Next dates:
  - Preferences – May 05 (**check Moodle!**)
  - Session 1 – May 21
  - Session 2 – June 04
  - Session 3 – June 18
  - Grading – July