

Course Overview

Wireless Internet Communication

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

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Outline

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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 + Presentations

- | | <u>Grading</u> |
|---|----------------|
| ▪ Pre-selected (published) papers on Internet measurements | |
| ▪ 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

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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: No file chosen
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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, briefly introduce background if necessary
 - Explain methodology
 - Present and discuss **key results**
 - Summarize key findings/conclusions and describe outlook
 - Include personal reflection and thoughts on the paper
- } main part of presentation
- ❑ 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/tri-rcp-hs5-rcn>)

- ❑ Reviewing process: Invite to local 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

5. Thesis opportunities

- ❑ The CM Chair has multiple open topics for
 - GR
 - BT
 - MT
- ❑ QUIC, Multipath, Edge, ICN, NDN, ...
- ❑ See <https://www.ce.cit.tum.de/cm/thesis-guided-research/open-thesis-topics-guided-research/>
- ❑ Tell your fellow students