

## Course Overview

# Wireless Internet Communication

<https://www.in.tum.de/cm/teaching/2021-seminar-wireless-internet-communication>

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# 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 Process:

- Papers have been submitted
- Round of reviews by committee: accept/reject?
- Presentation of accepted/revised papers during conference sessions
  - Followed by discussion and Q&A

## ☐ In this seminar

- |  |                |
|--|----------------|
| ▪ Pre-selected (accepted) papers to specific topics                  | <u>Grading</u> |
| ▪ Each student reviews papers in (bi-)weekly rounds (6 papers total) | 40%            |
| ▪ Each student presents 1 paper (20-25 min + 5-10 min Q&A)           | 40%            |
| • Include own thoughts (on relevance of paper) in 1-2 slides         | 10%            |
| ▪ Students participate in the discussion about the presented paper   | 10%            |

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

Internet Measurements Seminar 2018 Home

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(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:  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 results
    - Conclusion and outlook
      - Including personal reflection and thoughts on the paper
- } main part of presentation
- ❑ Examples for presentations:  
<https://www.in.tum.de/cm/teaching/2017-seminar-internet-measurements/>
  - ❑ Followed by free-flowing discussion about presented topic and related topics

## 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: Registration on 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