

System and Networking Seminar (CS 591 SN)

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\$ Whoami

- I'm working on software and system reliability.
- I graduated from UC San Diego in 2017.
 - My PhD thesis is on hardening cloud and datacenter systems against misconfigurations.
- I worked at Facebook on dealing with datacenter-level failures before joining UIUC.
 - I gained 20 lbs eating free food there.
- I applied twice for grad school.
 - "System research does not require genius."

Prof. Klara Nahrstedt

- I'm not going to list her titles.
 - Ralph and Catherine Fisher Professor
 - Fellow of ACM and IEEE
 - IEEE Technical Achievement Award
- "for pioneering contributions to end-to-end quality of service and resource management in wired and wireless networks"
 - I read (and cited) Klara's work on VCR video streaming over Internet when I was a student in China.
- Current projects:
 - Trustworthy Cyber Infrastructure for the Power Grid, Oil & Gas, UAVs
 - Video 360/VR/AR Systems
 - Advanced Data-Driven Cyber-Infrastructures

This is a seminar designed for **YOU**

- Benefit your own research
 - Identify new research opportunities
 - Collect feedback of your early ideas
- Broaden your understanding of the field
- Improve your presentation skills
- Make friends and find partners
- **Have fun 😊**
- Don't waste your time, if it's not useful.
 - You are already a grad student

You are required to do the following

- Presenting something **you care**
 - Your own work
 - A published paper relevant to your work
 - A wild, unpolished idea (short talk)
- **Active** participation and discussion
 - Be an attacker
 - We're going to be attacked by reviewers anyway
 - often in a more hash, nasty fashion

Policy

- **Read the paper before coming.**
 - Don't embarrass yourself.
- **Don't play with your devices.**
 - This is a “seminar.”
 - I advocate for not using a smart phone
- **If you want to take the credit, you are required to attend most of the seminars.**
 - You're welcome to sit in.

Presentation

- PhD students are **expected** to present.
 - This is an opportunity for yourself.
- Master students are **welcome** to present.
 - If you don't have your own project, it's fine but please participate in discussion.
- Presentations are announced at
 - <https://systems-seminar-uiuc.github.io/>

Presentation (cont.)

- **We need good presentations.**
 - Explain the problems (motivation & background) well
 - For systems research, the problem is often more important.
 - Make sure you deeply understand the content.
 - **Please do not treat a paper as a fact or truth, even it is published at top-tier conferences.**
 - It's basically an opinion or a proposal.
 - Please don't worship authors.
 - Don't spend time on making pretty slides.
- There are lots of resources online for giving good talks.
I'm happy to look at your slides and help you practice.

Presentation (cont.)

- We hope to organize presentations into **topics**.
 - Each topic of interest will have a series of deep discussion.
- <<< Let's know each other and organizing the presentations on the white board. >>>