# 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

- Probably no need to introduce her.
  - 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 you 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. >>>**