# PDS seminar guidelines

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# Goal of the PDS seminar

- For the presenter
  - Learn to search for research papers
  - Learn to analyze a research paper
  - Learn to present a research paper
- For the audience
  - Learn things from other research domains
  - Learn to present a research paper

# Is communication really that important ?

- Being able to present your work is 50 % of a researcher’s skills

- Being able to communicate efficiently is part of your daily job
  - Master student: defend your research project and get a good mark
  - PhD student: present your work, show that you’re a genius, and being offered jobs
  - Professor: teach complex things to students
  - Engineer: present a complex development to a colleague/manager

# PDS seminar guidelines

- 15-20 minutes talk + 10 minutes for questions
- The audience should clearly identity
  - The problem addressed by the paper
  - The proposed approach
  - The results of the evaluation
  - The limitations of the work

# Introducing a paper

- Present the context of the paper
  - Which conference ?
  - When ?
  - Who ?

**Leaderless State Machine Replication: Specification, Properties, Limits**

Tuanir França Rezende [1] Pierre Sutra [1]

[1] Telecom SudParis

14 Oct. 2020, DISC'20

# Present the problem addressed by the paper

- This is the most important part of the presentation
- Explain the context
  - The audience may not be expert of this field
  - How does the problem affect the real life ?
    - ~~Finding the shortest path in a graph is compute-intensive~~
    - Google maps needs to compute your route to visit your grand-ma

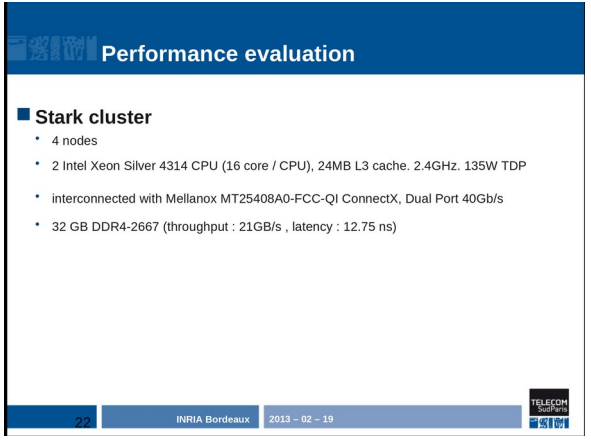
# Present the proposed approach

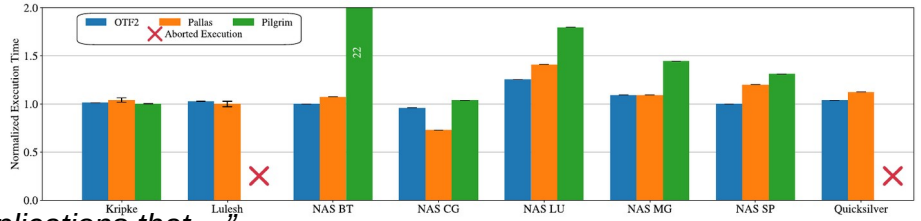
- Explain the general idea of the approach
  - Everybody should understand

- Explain a few details
  - Only for experts. Don’t be too long

# Presenting evaluation

- Present the experimental settings
  - Only present things that matter
- For each experiment
  - Present the goal of the experiment
    - *“They evaluate the overhead of their tracing tool”*
  - Present the experiment
    - *“They measure the execution time of the application with and without tracing”*
  - Describe the experiment results
    - *“EZTrace overhead ranges between 0.3% and 5.7%”*
  - Analyze the results
    - *“This shows that the overhead is neglictible, except for applications that ...”*



# Conclude the presentation

- Summarize the main ideas of the paper
  - What is the problem ?
  - What is the contribution ?
  - What do the experiment show ?
- Explain the limitations of the paper
  - This may not be explicitly stated in the paper
    - *“They evaluate their tool with compute-intensive applications, but result would be different with memory-intensive application because...”*