

- ▶ Ideally, a problem from your own research or at least related to it
 - ▶ Can be related to any of the course days (Monday – Friday)
- ▶ An implementation scaling onto GPUs or scaling out into cloud resources
- ▶ Report about the framework/algorithm, your experiments, and conclusions
 - ▶ What applications did you solve?
 - ▶ What computational choices did you make, you did you change compared to a lab code?
 - ▶ How did you ensure the changes were correct?
 - ▶ Try to get quantitative results on the improvement!
 - ▶ What alternative solutions might exist (“future work”)?

- ▶ Write a report of at least 3 pages, at most 12 pages, in the IEEE transactions template
 - ▶ We prefer if you keep it simple
 - ▶ Report has to be legible, but no need for 100% language correctness
- ▶ Expected work load: 1 week of full-time work (includes research, experiments, report writing)
- ▶ **Deadline: Friday January 14**
 - ▶ Discuss with teacher team on possible questions
- ▶ Deadline for the four **lab assignments**: Friday **December 3**
- ▶ Please send by email to `salman.toor@it.uu.se` and `martin.kronbichler@it.uu.se`

- ▶ Think about what you want to do
 - ▶ If necessary, go through the lab content and slides for inspiration
- ▶ Ideally, try to do a proof of concept right now to check whether an idea is feasible
- ▶ Reach out to me or Salman at any time between now and 15:30.

- ▶ Write down at least one sentence with what you want to do for the project
- ▶ Create a slide to share it at 15:30
- ▶ Joint discussion on challenges, synergies between multiple suggested projects, feasibility, or possible pitfalls
- ▶ Reports and code need to be clearly attributable to a single person
 - ▶ If you jointly work on a code, use it / test it / extend it in different ways
- ▶ You are free to change your project topic later, but we want you to leave the course with an idea on what to do