



NTNU – Trondheim
Norwegian University of
Science and Technology

TDT24 Kick-off
Autumn 2025

Parallel environments and numerical computing

- Ostensibly, you have chosen this subject because it's relevant to your TDT4501 project
- We will try to lean into that, and make it useful
- We will also squeeze in some practice with academic pursuits, specifically
 - Writing
 - Presentation



What we're going to do

- I will speak about some selected topics from numerical computing for 3 weeks
- Afterwards, you will speak about some topics you have selected at a rate of 2 presentations per week (approximately)



Things we need to determine collectively

- When can we schedule these meetings?
- Who wants to present when?



Staying in touch

- IDI has a Slack server, I have created a channel for us there
 - It's easy to broadcast information that way
- I will invite you all to that channel
 - Let me know today if you want me to sign you up with an email that is different from your standard NTNU address
 - I'm not going to spam you with myriads of notifications, I just need to know that I can reach you within reasonable time

Today is Friday

- If the consensus shows that our best common day is Monday, the first one will just be a lot of confusion
- I propose that we take week 36 to get our things together, and I can book meeting rooms to create a schedule
- My first suggestion is that we should do this in the 15:15-16:00 interval
 - That practically guarantees that room booking will be feasible
- If that doesn't work, I'll have all of next week to invent another plan



What you need to do

- Pick 5 papers that are somehow related to numerical computing and/or parallel environments
 - PROTIP: choose some that are relevant to your project, so you would want to read them anyway
- Pick 1 favorite paper for a ~20min presentation, and prepare one
- Write a 4-page survey of your selected literature
 - I'll distribute a LaTeX template for the paper format
- This paper will serve as your 'exam', we won't have to do any interviews



Evaluation

- Think of the survey paper as your primary product of the season
- If you do it well, you may be able to recycle some of its points as background material in your project and/or thesis

