

# Programming OpenMP

**Christian Terboven**



# Agenda (in total 4 parts)

- Part 0: Introduction to Parallel Programming
- Part 1: OpenMP Introduction
- **Part 2: Tasking**
  - Tasking Motivation
  - Task Model in OpenMP
  - Scoping
  - Taskloop
  - Dependencies
  - Cut-off strategies
  - Overview: Exercises
- Part 3: Optimization for NUMA and SIMD
- Part 4: Introduction to Offloading with OpenMP



<https://t1p.de/2025-ppces-openmp>

