

Programming OpenMP

Christian Terboven

RWTHAACHEN
UNIVERSITY



Agenda (in total 4 parts)

- **Part 0: Introduction to Parallel Programming**

- Part 1: OpenMP Introduction

- Part 2: Tasking

- Part 3: Optimization for NUMA and SIMD

- Part 4: Introduction to Offloading with OpenMP



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



Agenda (in total 4 parts)

■ Part 0: Introduction to Parallel Programming

■ Part 1: OpenMP Introduction

- Welcome
- OpenMP Overview
- Parallel Region
- Worksharing
- Scoping
- Executing OpenMP programs
- Overview: Exercises

■ Part 2: Tasking

■ Part 3: Optimization for NUMA and SIMD

■ Part 4: Introduction to Offloading with OpenMP



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

