



TECHNISCHE
UNIVERSITÄT
DARMSTADT

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HPC Introduction 2022

Tim Cramer

GREAT COMPUTING COMES WITH GREAT SUPPORT.

Why this event?

- Long tradition in parallel programming courses (e.g., PPCES)
 - How to introduce new users?
 - How to cover high-level overview on HPC?
 - How to reach domain scientists who “only” use a parallel software without programming?
 - How to address the “decision makes”?
- Solution: Separated event (this one)
- Follow-up event PPCES (21.03.22 - 25.03.22): <http://www.itc.rwth-aachen.de/ppces>
- Consultation hours (every 4 weeks):
<https://blog.rwth-aachen.de/itc-events/hpc-consultation-hour/>

11:00 - 11:30	HPC Architecture Basics and RWTH Resources	Tim Cramer
11:30 - 12:00	Storage Strategy for HPC users	Philipp Martin
12:00 - 12:45	NHR and RWTH Computing Projects	Tim Cramer
12:45 - 14:00	Break	
14:00 - 14:45	Parallel Programming Overview	Tim Cramer
14:45 - 15:30	Performance Metrics & Measurements	Daniel Schürhoff
15:30 - 15:40	Break	
15:40 - 16:00	Cluster Software Environment HPC	Daniel Schürhoff
16:00 - 16:25	Introduction to Slurm	Alvaro Frank
16:25 - 16:30	Closing Session	Tim Cramer

- Please feel free to ask questions by
 - using the Zoom Q&A feature (preferred over the chat window)
 - by raising your hand 