NHR FAU

FAU Friedrich-Alexander-Universität Erlangen-Nürnberg

Node-Level Performance Engineering

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Material:
https://go-nhr.de/NLPE-Durham

One-day tutorial

HPC&AI Days Durham

June 16, 2026



Course schedule

Time	Day 1
9:00	Welcome – Intro
9:10	Computer architecture for software developers
10:00	Roofline Model
10:30	Break
13:00	Tools (affinity control, hardware performance counters)
14:00	SIMD & ccNUMA
14:30	Break
16:30	Hands-On DMVM & MFCG
18:00	Q&A/open end

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