











## 5-Day-Course — *Beginners* — 3rd day (Wednesday)

### Shared Memory Parallelization with OpenMP

- 8:30 **OpenMP – Overview and execution model** [7+7a] (talk+practical) 
- 9:30 **OpenMP – Work sharing directives** (talk+practical) 
- 10:30 **Coffee**
- 10:45 **OpenMP – Data environment** (talk+practical) 
- 11:30 **OpenMP – Summary and Pitfalls** (talk) 
- 12:00 **Lunch**
- 13:00 **OpenMP – Tools** [21] (talk)  
- 13:20 **Verifying an OpenMP parallelization with the Intel Thread Checker** [8a] (t+p) 
- 14:20 **Coffee**
- 14:35 **OpenMP – heat example** [7, slide 84ff] (practical) 
- 15:35 **Coffee**
- 15:50 **OpenMP – Performance tuning and OpenMP** [22] (talk+practical) 
- 17:00 **Services at HLRS** [18a] (talk) 
- 17:30 **End**



Introduction Rolf Rabenseifner  
Slide 12 (5 days) Höchstleistungsrechenzentrum Stuttgart

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