

## Topic of the day: GPU programming on LEVANTE Nvidia GPUs

**9:00** Arrival and registration

**9:20** Welcome and overview  
Hendryk Bockelmann (DKRZ)

**9:30** Presentation: General aspects on GPU programming – focus on OpenACC usage for LEVANTE Nvidia GPU nodes  
Claudia Frauen (DKRZ), Dominik Zobel (DKRZ)

**11:00** Presentation: Specific aspects for GPUs on LEVANTE  
Jan Frederik Engels (DKRZ), Harald Braun (Eviden)

**11:30** *Hands-on 1: Getting started on GPU programming*

**12:00** *Lunch with Food Truck*

**13:00** *Hands-on 2: Running own kernels on GPUs*

**14:00** Specialities from NVIDIA: Debugging, Profiling, CUDA and more  
Dmitry Alexeev (NVIDIA)

**15:00** *Coffee break*

**15:30** *Hands-on 3: Debugging and Profiling*

**16:50** Feedback for the day, next steps  
Hendryk Bockelmann (DKRZ)

**17:00** *End of workshop*