Goal

• Show the new trends in HPC + technologies that you can use in your own research
  – With or without additional help
The implementation

• 4 days = 3 different (HPC) technologies
  – Day 1: Introduction + typical problems + parallelism + solutions + performance
    • Ana Lucia Varbanescu, UvA + TUDelft
  – Day 2: Shared memory machines + programming
    • Clemens Grelck, UvA
  – Day 3: GPGPU for HPC
    • Ana Lucia Varbanescu
    • Moises Vinas
  – Day 4: Large-scale systems and solutions: Cloud computing + Big data
    • Alexandru Iosup, TUDelft
Main structure

• In theory …
  – Morning for theory, afternoon for hands-on practice

• In practice …
  – We’ll mix things up.

• Use DAS4 and its heterogeneous resources
• Connect using your own laptops
Homework

• Tell us what you’ve learned in a short essay
  – Introduce your research
  – Tell us what you’ve learned from each day
  – … and how each technology could impact your research

• Not more than 3 pages!
  – The sooner, the better …

• Deadline: 15/01
Questions?
Before we start ...

• Introduction round...