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## Massively parallel computing for NWP & climate

*Friday, 23 April 2021 09:00 (1 hour)*

The aim of this session is to understand the main issues and challenges in parallel computing, and how parallel computers are programmed today.

By the end of this session you should be able to:

- explain the difference between shared and distributed memory
- describe the key architectural features of a supercomputer
- describe the purpose of OpenMP and MPI on today's supercomputers
- identify the reasons for the use of accelerator technology

**Presenter:** MUELLER, Andreas (ECMWF)