MUL-HPC-23 High Performance Cluster
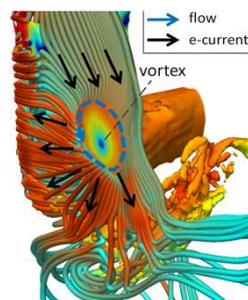
Maximize your research efficiency with a cluster that combines cutting-edge technology and robust performance for scientific excellence.

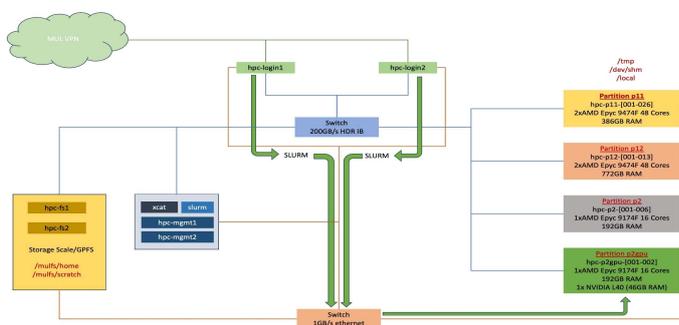## Lenovo HPC nodes and IBM Spectrum Scale Storage

Scientific application areas

Computational Fluid Dynamics
Multiphysics Simulations
CAE and Advanced DEM
Atomistic Simulations
AI and Deep Learning

Schematic representation of the structure of the compute cluster

Installed Software (selection)

Ansys Fluent	Ansys Rocky
Abaqus	Mathlab
Comsol	PyTorch
Tensorflow	LAMMPS
OpenFOAM	VASP

Hardware Specs

200 TFlops

3.872 CPU Cores	500 TB Storage NVMe and NL-SAS
21.5 TB Ram	200 GB Infiniband Network
51.200 CUDA Cores	47 powerful compute nodes

ICT and Digitalization

Sabrina Berger, MSc

Head of ICT and Digitalization

ict@unileoben.ac.at

MOVE MOUNTAINS