

# Seminar

HPC Lab · CDS

Wednesday, April 10, 2024

4–5:30 p.m.

Seminar Room 1

Mathematical Institute

University of Cologne

Weyertal 86–90

## Speaker:

**Dr. Andreas Herten**

Jülich Supercomputing Centre (JSC)

Forschungszentrum Jülich

Center for  
Data and  
Simulation  
Science

## THE JUPITER SYSTEM: DESIGN AND ENABLEMENT

At the end of 2023, the contract was signed for the installation of JUPITER, the first Exascale supercomputer in Europe. The system will consist of a Booster module, with 24 000 NVIDIA GPUs, and a Cluster module, deploying the European SiPearl Rhea Arm CPU. JUPITER is procured by EuroHPC JU together with Germany (BMBF/MKW-NRW)

and hosted at Jülich Supercomputing Centre in a modular data-center. The preparative construction is already ongoing, and the installation of the system is starting soon.

The talk will present the JUPITER system design, insights into the procurement process, plans for user enablement, and some very first results of prototype nodes.

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