

➔ **From Raw Data to Real Insights: Synergizing
Data Engineering and AI for HPC**

Monday, May 11, 2026

- 01.00 pm Welcome – Wil van der Aalst
- 01.15 pm From Queries to Algorithms to Insights in One Optimizer
Nick Yakovets
- 02.15 pm Efficient Use of LLMs for Data Preparation
Effy Xue Li
- 03.00 pm Break
- 03.15 pm Agentic data systems and Multimodal Analytics
Gerardo Vitagliano
- 04.15 pm Panel discussion: Will AI eat HPC software?
Potentials, Pitfalls, and the Future of Scientific Computing
Host: Carsten Binnig

Tuesday, May 12, 2026

- 01.00 pm Welcome
- 01.05 pm Under the Hood of HPC: Analyzing Cluster Processes Through Data
Aaron Küsters
- 01.50 pm Bridging the gap - from NFDI to NHR
Marcel Nellesen and Fabian Dünzer
- 02.35 pm Break
- 02.50 pm SemPipes - Optimizable Semantic Data Operators for Tabular Machine Learning Pipelines
Olga Ovcharenko
- 03.35 pm AI-Assisted Data Analysis without Hallucinations: Giving LLMs the Right Tools
Aaron Küsters