

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

**Monday, May 11, 2026**

- 01.00 pm Welcome – Matthias Müller & 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
- 04.00 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