

Centrum Wiskunde & Informatica

Who Is Who



Peter Boncz (senior)



Stefan Manegold (senior)



Hannes Mühleisen (senior)



Tavneet Singh (Msc student)



Pedro Holanda (post-doc)



Nantia Makrynioti (post-doc)



Mark Raasveldt (post-doc)



Gábor Szárnyas (post-doc)



Azim Afroozeh (PhD student)



Diego Gomes Tomé (PhD student)



Tim Gubner (PhD student)



Laurens Kuiper (PhD student)



Matheus Nerone (PhD student)



Orson
Peters
(PhD student)



Dean
De Leo
(ex.
PhD student)



Benno Kruit (ex. PhD student)



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Subjects Systems Spin-offs

- ·Fundamental system-oriented database data-systems architecture research
- Advance database technology to address large-scale data management challenges in (data) science
- ·Building & maintaining ready-to-use open-source systems (+spin-offs):





https://duckdb.org/ https://duckdblabs.com/

- ·Hardware-efficiency: architecture, data structures, algorithms, implementation
- · Embedable data management for ad-hoc exploratory data analysis
- · Single-node efficiency (also) in the cloud
- · Efficient and scalable graph data management
- · Indexing, compression, sorting, grouping aggregation
- Fair benchmarking & reproducibility (=> Open Science)



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Projects
Events
Community

### Industry grants & collaboration partners:

- Relational AI
- Databricks (Spark)
- · Actian (Vectorwise)
- · Facebook / Meta
- Ursa Labs / Ursa Computing / Voltron Data (Apache Arrow)
- · NWO Smart Industry: combining data management, analytics & optimization
- · **NWO**: Evolving Large Graphs
- · <u>Open:</u> NWO Large-Scale Research Infrastructure !??
- · ACM SIGMOD/PODS 2019: http://www.sigmod2019.org/
- ·Conf. on Innovative Data Systems Research 2020, 2023, ...: http://cidrdb.org/
- · Linked Data Benchmarking Council: https://ldbcouncil.org/
- · <u>Dutch Seminar on Data Systems Design</u>: https://dsdsd.da.cwi.nl/





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**Speed** Scalability

