

# LSWT 2024

12<sup>th</sup> Leipzig Semantic Web Day

**Welcome (09:00)**

**Dr. Sebastian Tramp**  
CTO @ eccenca GmbH



## Organization Team



**DATA WEEK LEIPZIG '24**

# Today's Summary

- 1 Keynote
- 16 Talks in 3 Sessions
  
- Session I: Knowledge Graphs and Large Language Models
- Session II: Knowledge Graph Use Cases in Industry
- Session III: Ontology Engineering and Semantic Technologies
  
- eccenca Semantic Beergarden





**Julia Holze**



**Nieves Sande**



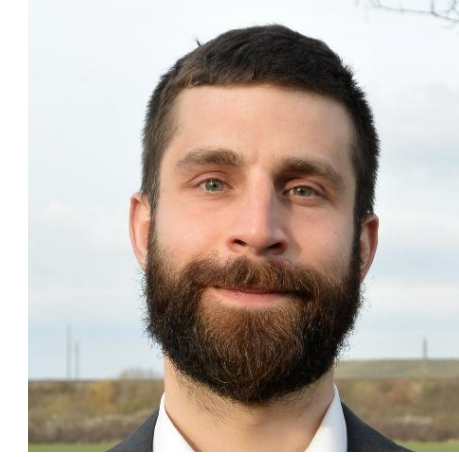
**Norman Radtke**



**Prof. Dr. Michael Martin**



**Dr. Sebastian Tramp**



**Dr. Natanael Arndt**

## **Enabling new medicines with FAIR Data-centricity: Delivering Linked Data inside the enterprise**

Ben Gardner  
– AstraZeneca



- 09:00 – Welcome
- 09:10 – Keynote
- 10:00 – Coffee Break
- 10:30 – Session I: Knowledge Graphs and Large Language Models
- 12:00 – Lunch Break
- 13:00 – Session II: Knowledge Graph Use Cases in Industry
- 14:30 – Coffee Break
- 15:00 – Session III: Ontology Engineering and Semantic Technologies
- 16:00 – Closing
- 18:00 – eccenca Semantic Beergarden (at Moritzbastei)

# Session I: Knowledge Graphs and Large Language Models

10:30 - 12:00

Chair: Kirill Bulert (InfAI)

- Abhishek Nadgeri (Fraunhofer FIT): **KELLM, Knowledge-Enhanced LLMs**
- Johannes Frey and Lars-Peter Meyer (InfAI): **How well can LLMs “talk” with your Knowledge Graph?**
- Prof. Dr. Lisa Wenige (Office for Statistics and Elections and Hochschule Merseburg): **SPARQLing with AI: A Roadmap for a Family of AI-Enhanced SPARQL Custom Functions**
- Prof. Dr. Felix Sasaki (SAP SE): **How to make generative AI in the enterprise work with knowledge graphs: RDF, Property Graphs, or both?**
- Kheir Eddine Farfar (TIB): **Intertwining Machine Learning and Semantic Web in the Open Research Knowledge Graph**



# Session II: Knowledge Graph Use Cases in Industry

13:00 - 14:30

Chair: Magnus Knuth (eccenca)

- Hans-Christian Brockmann (eccenca): **Neurosymbolic AI - a billion dollar opportunity**
- Nikolay Krustev (Ontotext): **Industrial Knowledge Graphs in action**
- **Inga Glotzbach (adorsys): Connecting Dots: How DATEV Leverages Knowledge Graphs to Shape its Data Product Catalog**
- Jeniffen Chandrabalan (RB Leipzig) and Simone Mueller (RB Leipzig): **Architecting a Modern Data Stack for Commercial Analytics in Football**
- Vincent Vialard (derivo): **Overview first, details on demand for truly scalable Knowledge Graph exploration**
- Achim Reiz (Neonto): **Evaluating Knowledge Graph Quality in Practice**

# Session III: Ontology Engineering and Semantic Technologies

15:00 - 16:00

Chair: Dr. Edgard Marx (eccenca)

- Dr.-Ing. Sebastian Hellmann (InfAI): **Databus - FAIR Data in Energy Systems Analysis**
- Prof. Dr. Axel-Cyrille Ngonga (Paderborn University): **Tentris - From Tensors to Ten X**
- Dr. Natanael Arndt (German National Library): **The Web Archive of the Future at the German National Library**
- Lars-Peter Meyer (Institute for Applied Informatics): **Project StahlDigital – lessons learned on ontology engineering in the steel domain**