

LSWT 2025

13. Leipziger Semantic Web Tag

The logo for LSWT 2025 features the year '2025' in large orange letters. To the left of the '0' is the acronym 'LSWT' in orange. A small orange speech bubble containing the date '12 June' is positioned between the 'T' and the '0'. Above the 'T' is a stylized network graph icon.

Welcome



LSWT 2025

13. Leipziger Semantic Web Tag

Welcome



Todays Program: Overview



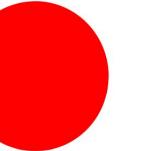
- 2 Keynotes
- 4 Sessions
- 15 Talks
- 22 Speakers
- 26 Student Posters

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- 2 Keynotes
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Best Semantic Web Poster Award



Best Designed Poster Award



Todays Program: Keynotes



09:10

Keynote

09:10 - 10:00 | Sitzungssaal | English



Using Knowledge Graphs to Document Cloud Native Products

Martin Blumbach [Ericsson](#)

10:00

Keynote

10:00 - 10:30 | Sitzungssaal | English



Leveraging Knowledge Graphs and GenAI to Transform Enterprise Data into Actionable Insights

Dr. Andreas Pawlik [Carl ZEISS AG](#)

Todays Program: Keynotes



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Dr. Andreas Pawlik [Carl ZEISS AG](#)



10:30

Coffee break

10:30 - 11:00 | Wandelhalle |

Posters and Stands

Todays Program:

Session 1



11:00

Session I Knowledge Graphs and Large Language Models

11:00 - 12:00 | Sitzungssaal | English

Chair: Kirill Bulert (Institute for Applied Informatics)

In this session, we'll explore Semantic Technologies as part of the broader landscape of Artificial Intelligence, diving into fascinating topics like ChatGPT and other exciting advancements. The presentations will be held in English.

- Gollam Rabby (Technische Informationsbibliothek (TIB)): Neuro-Symbolic AI for Scholarly Research: Enhancing Discovery, Reasoning, and Assistance with LLMs and Knowledge Graphs
- Alexander Bigerl (Tentris): Scale up your RDF game — Efficient SPARQL querying with Tentris
- Dr. Edgard Marx (eccenca GmbH): Leveraging Agentic Data Flows with Large Language Models
- Johannes Frey (Institute for Applied Informatics) and Lars-Peter Meyer (Institute for Applied Informatics): Current results on LLMs Knowledge Graph Capabilities

Todays Program:

Session 2



12:00

Session II Future Knowledge Experts (Students)

12:00 - 12:30 | Sitzungssaal | English

Prof. Dr. Michael Martin (University of Technology Chemnitz)

In this session, professors from Hochschule Merseburg, Technische Hochschule Brandenburg, HTWK Leipzig, and Leuphana Universität Lüneburg will introduce their institutions and highlight the innovative work done by their students. Throughout the day, LSWT participants can explore the student poster exhibition and vote for their favorite project. The winning poster will receive the Semantic Web Poster Award, generously sponsored by eccenca. The presentations will be held in English.



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TECHNISCHE UNIVERSITÄT
IN DER KULTURHAUPTSTADT EUROPAS
CHEMNITZ



Hochschule für Technik,
Wirtschaft und Kultur Leipzig



Technische Hochschule
Brandenburg
University of
Applied Sciences



12:30

Lunch break

12:30 - 13:30 | Wandelhalle |

Posters and Stands

Todays Program:

Session 3



13:30

Session III Knowledge Graph Use Cases in Industry and Administration

13:30 - 15:00 | Sitzungssaal | English

Chair: Dr.-Ing. Nour Ramzy (eccenca GmbH)

In this session, we'll explore real-world applications and use cases using Knowledge Graphs as our foundation. The presentations will be held in English.

- Márcia R. Ferreira (Graphwise): Graph-driven RAG: When the Whole Is Greater Than the Chunks of Its Parts
- Daniel Brenn (]init[AG for digital communication) and Dr. Katharina Heider (]init[AG for digital communication): RegCheck
- Marco Schlichting (ETAS): Enhancing Verification and Traceability in Automotive Software Development through Data Linking
- Dr.-Ing. Sebastian Hellmann (Institute for Applied Informatics): Live Fusion and Seamless Integration: Unlocking the Best-of Wikipedia, Wikidata, and Beyond with DBpedia Enterprise
- Dr. Toni Tontchev (Connected Urban Twins): GEO Base Twin of Leipzig. Taxonomy, Semantic and Graph Applications

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Last Chance !!!

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15:00

Coffee break

15:00 - 15:30 | Wandelhalle |

Posters and Stands

Todays Program:

Session 4



15:30

Session IV Ontology Engineering and Semantic Technologies

15:30 - 16:45 | Sitzungssaal | English

Chair: Magnus Knuth (eccenca GmbH)

This session will dive into the exciting world of building, modeling, and visualizing Knowledge Graphs. The presentations will be held in English.

- M.Sc. Anna-Lena Peh (Institutsteil Angewandte Systemtechnik (AST) des Fraunhofer IOSB): Achieving Interoperability in Energy Data Ecosystems: A Semantic Approach to Integration and Standardization
- Dr.-Ing. Miriam Eisenbart (fem Research Institute): Project KupferDigital2 - enhancing efficiency and sustainability of the copper life cycle with semantic technology
- Dr. André Valdestilhas (User-Centric Data Science (UCDS) - Vrije Universiteit Amsterdam): Knowledge Graphs and FAIR principles applied to Social Sciences and Humanities on SSHOC-NL project
- Dr. Daniel Mietchen: Knowledge graphs in the context of the National Research Data Initiative (NFDI)
- Claus Stadler (Institute for Applied Informatics): GraphQL Views over SPARQL

Todays Program: Closing and Biergarten



16:45 | eccenca Poster Winner Awards and Closing

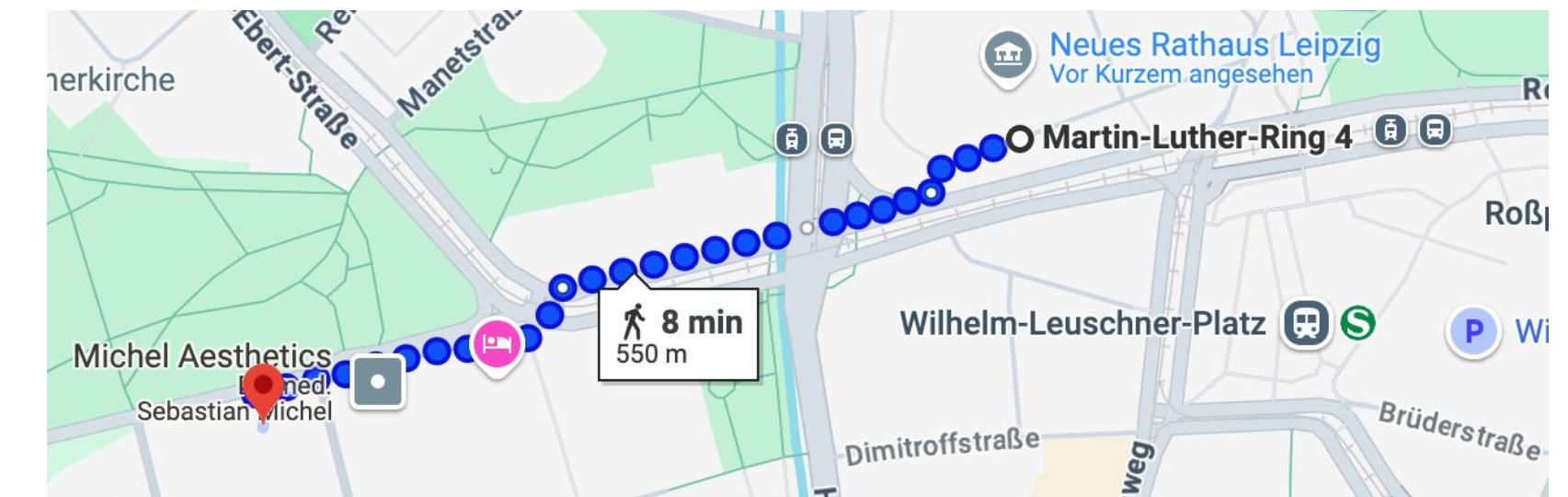
16:45 - 17:00 | Sitzungssaal | English

Dr. Sebastian Tramp (eccenca GmbH)

18:00 | eccenca Semantic Biergarten

18:00 - 20:00 | German, English

eccenca cordially invites you to the social event “Semantic Biergarten” at the Café & Restaurant 292 Karangahape Road (Karl-Tauchnitz-Str. 9, 04107 Leipzig).



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