

Curriculum Vitae

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Highlights

- ▷ High visibility of research: 16 international awards, 250+ papers in top venues, 36,000+ citations, h-index 74.
- ▷ Principal Scientist at Amazon leading research for agentic LLM assistants (Alexa+): multi-agent reasoning layer coordinating ≈ 100 agents and > 800 APIs at 90% API invocation accuracy and < 3 seconds latency for projected 100+ million users.
- ▷ Expert in language models, knowledge graphs and conversational AI with 15+ years of experience in academia and industry leading projects with solid theoretical foundations and high practical impact.
- ▷ Built LLM and multi-armed bandit routing systems for LLM selection delivering > 1 s end-to-end latency reduction at no regression in key metrics, enabling the Alexa+ launch and avoiding multi-billion-dollar annualized serving cost.
- ▷ Acquired more than €20 million for growing research teams at both the University of Leipzig and University of Bonn/Fraunhofer (the latter was done as one of the youngest full professors in Germany starting at an age of 32).
- ▷ Co-founder of DBpedia and Linked Data initiatives pioneering knowledge graphs with billions of facts, utilized by research and industry leaders.
- ▷ Influencing and collaborating across organisations with thousands of employees at Amazon AGI (Artificial General Intelligence) and Devices (including Alexa AI).

Scientific Career and Education

Amazon AGI (Artificial General Intelligence) / Principal Scientist

2022 - present, Dresden/Germany & Cambridge/UK

- ▷ Principal scientist for agentic AI systems and reasoning, e.g., for Alexa LLM inference optimization and routing using multi-armed bandit decisioning, delivering > 1 s end-to-end latency reduction and avoiding multi-billion-dollar annualized serving cost with no regression in key quality metrics.
- ▷ Integrating APIs, structured and unstructured knowledge into LLMs via post-training (SFT/RL) reaching $> 90\%$ API call correctness in internal evals.
- ▷ Enabled launch of conversational assistant LLM personalisation at scale using context signals across orgs (shopping, Alexa, Fire TV, Kindle, Audible, Music).
- ▷ Cross-organisation (1000+ employees) science roadmap planning.
- ▷ Developed science approach towards building an empathic assistant personality.
- ▷ Integrating web-scale structured and unstructured knowledge into LLMs and fine-tuning (SFT/RLHF) for factual correctness.

TU Dresden / Honorary Professor

2022 - present, Dresden/Germany

- ▷ Member of the ScaDS.AI Excellence Center for AI
- ▷ Teaching knowledge graphs, representation learning and conversational AI

University of Bonn / Full Professor (W3)

2015 - 2022, Bonn/Germany

- ▷ Professor at the Computer Science Institute at the University of Bonn
- ▷ Supervising > 50 assistant professors, PostDocs and PhD researchers
- ▷ Teaching Knowledge Graph Analytics

Fraunhofer IAIS / Lead Scientist

2015 - 2022, St. Augustin/Germany

- ▷ Lead Scientist for Knowledge Graphs and Conversational AI at the Fraunhofer IAIS Institute (300 employees) - Fraunhofer is Europe's largest applied research organisation
- ▷ Leading own institute branch managing a team of scientists and engineers
- ▷ Science lead role in the cross-institute Fraunhofer speech assistant platform

Leipzig University / Head of AKSW Research Center

2013 - 2015, Leipzig/Germany

- ▷ Leader of the Agile Knowledge Engineering and Semantic Web Research Group (30-50 employees)

University of Oxford / Research Visitor

2011 - 2012, Oxford/UK

- ▷ Built web-scale data extraction and question-answering science prototype

Leipzig University / Research Group Leader

2010 - 2016, Leipzig/Germany

- ▷ Leader of the "Machine Learning and Ontology Engineering" group (10 employees)

University of Leipzig / PhD in Computer Science with Distinction

2006 - 2010, Leipzig/Germany

- ▷ PhD title: Learning OWL Class Expressions
- ▷ Grade: summa cum laude (distinction)

TU Dresden / Master in Computer Science (grade 1.1 - best grade is 1.0)

2001 - 2006, Dresden/Germany

University of Bristol / Erasmus Student

2005 - 2006, Bristol/UK

St. Afra & Werner Heisenberg Gymnasium / High School (with distinction and best grade across all classes in the same age group)

1992 - 2006, Meissen & Riesa/Germany

Scientific Impact

- ▷ **LLM knowledge integration:** developed methods for human-like reasoning over heterogeneous structured and unstructured knowledge sources, outperforming GPT models; led Amazon research on integrating APIs and knowledge into LLMs via post-training (SFT/RL), reaching >90% API call correctness and enabling reliable tool use in Alexa+
- ▷ **DBpedia extraction:** co-founded Wikipedia extraction and interlinking project with more than 15k citations starting and more than 40k dataset downloads per month and 3 million queries against the official APIs per day; won several academic awards and adopted in industry, e.g. in IBM Watson, BBC, Amazon
- ▷ **Knowledge graph representation learning:** new approaches for building feature representations of knowledge graphs preserving characteristics of the original graph while being applicable for downstream machine learning tasks achieving leading positions across multiple benchmarks
- ▷ **Question answering:** several improvements in query building and question answering pipeline steps (e.g. entity and relation linking) that led to state-of-the-art results in 20+ benchmarks
- ▷ **LinkedGeoData:** developed virtual query rewriting at scale for a spatial knowledge graph with 8B entities / 27B facts in 2012, surpassing the Google KG at the time
- ▷ **Symbolic machine learning:** (1) proofs for properties of refinement operators in description logics that underpin advances in the field for more than a decade; (2) development of an ML framework for concept learning achieving state-of-the-art results, e.g. for life science benchmarks

Highlights of Awards and Honors

- ▷ **16 international best paper awards** and several award nominations
- ▷ **Test of time awards:** Semantic Web Journal 10-year award for LinkedGeoData (see Amazon Science blog post); Semantic Web Science Association (SWSA) 10-year award for DBpedia; Extended Semantic Web Conf. (ESWC) 7-year most influential paper award for knowledge extraction
- ▷ Keynotes e.g. at AI 2024 by Lamarr (700 visitors) on LLM factually accuracy
- ▷ **ELLIS Fellow** (ELLIS is a pan-European network advancing the scientific progress of AI in Europe and in which fellows are “(1) [...] high-caliber scientists advancing the field, (2) creating a community and giving a voice to ML and AI”)
- ▷ **Member of ScaDS.AI** (one of the 5 AI excellence centres in Germany)
- ▷ Two best student paper awards for concept learning in description logics
- ▷ **General Chair** European Data Forum (700 participants), **Program Chair** Semantics (300 participants) & European Data Forum, **Area & Track Chair** at multiple AAAI, ICLR, NeurIPS, ESWC conferences
- ▷ **Editorial board** (SWJ, JITR journals) and advisory board roles
- ▷ Many prizes in math olympics on regional, state and country level 1992-2000

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Short Overview

Research Topics	Artificial Intelligence/Machine Learning, Knowledge Graphs, Conversational AI, Large-scale Data Analytics
Community projects	60+ open source projects 40 000+ software/dataset downloads per month
Publications	300+ in international conferences and journals
Major pub. venues ¹	ISWC, EMNLP, ACL, WebConf, AAAI, JWS, SWJ, NeurIPS, MLJ, TPAMI, ECAI, JMLR
Citations (per year)	36000+ (3000+ in 2025) according to Google Scholar
H-Index	74 according to Google Scholar
Best Paper Awards	16 (only international venues counted)
Funding acquired	20.1 Mio Euro as (Co-)PI, \approx 2 Mio Euro/year (until 2022) EU H2020/FP7, DFG, BmBF, BmWI, DAAD, Industry
Teaching experience	15 years and \approx 30 courses
Main teaching topics	Semantic Web, Conversational AI, Knowledge Graph Analysis
PhDs/PostDocs	50+ supervised

¹ISWC (International Semantic Web Conference), EMNLP (Empirical Methods in Natural Language Processing), ACL (Annual Meeting of the Association for Computational Linguistics), WebConf (World Wide Web Conference), AAAI (Association for the Advancement of Artificial Intelligence Conference), JWS (Journal of Web Semantics), SWJ (Semantic Web Journal), MLJ (Machine Learning Journal), TPAMI (IEEE Transactions on Pattern Analysis and Machine Intelligence), ECAI (European Conference on Artificial Intelligence), JMLR (Journal of Machine Learning Research)

1 Awards

1.1 International Awards

- ▷ AMiner Most Influential Scholar Award for Knowledge Engineering in 2025 (ranked 1st worldwide)
- ▷ AMiner Most Influential Scholar Awards for Knowledge Engineering in 2023 and 2024 (ranked 3rd worldwide in both of those years)
- ▷ Semantic Web Journal 10 Year Best Paper Award 2022 for "LinkedGeoData: A Core for a Web of Spatial Open Data" with C. Stadler, K. Höffner, S. Auer.
- ▷ International Semantic Web Conference (ISWC) 2021, Best Research Paper Award for "Improving Inductive Link Prediction Using Hyper-Relational Facts", with M. Ali, M. Berrendorf, M. Galkin, V. Thost, T. Ma, V. Tresp
- ▷ AMiner Most Influential Scholar Award for Knowledge Engineering in 2021 and 2020 (ranked 3rd and 4th worldwide in those years)
- ▷ IEEE International Conference on Semantic Computing (ICSC) 2020, Best Resource Paper Award for "Let's build Bridges, not Walls: SPARQL Querying of TinkerPop Graph Databases with Sparql-Gremlin", with H. Thakkar, R. Angles, M. Rodriguez
- ▷ Elected as ELLIS (European Lab for Learning and Intelligent Systems) Fellow by the ELLIS Section Committee, 2020
- ▷ Award for the SPEAKER project at the AI innovation competition of the BMWi 2019
- ▷ Distinguished Reviewer Award at IJCAI (International Joint Conference on Artificial Intelligence) 2018
- ▷ Semantics 2017 Best Paper Award for "Trying Not to Die Benchmarking – Orchestrating RDF and Graph Data Management Solution Benchmarks Using LITMUS", with H. Thakkar, Y. Keswani, M. Dubey, S. Auer
- ▷ International Semantic Web Conference (2017), Best Demo Award for "The Tale of SANSA Spark", with I. Ermilov, G. Sejdiu, L. Bühmann, P. Westphal, C. Stadler, S. Bin, N. Chakraborty, H. Petzka, M. Saleem, A. Ngonga Ngomo, H. Jabeen
- ▷ Semantic Web Science Association (SWSA) 10 Ten-Year Award 2017 for "DBpedia: A Nucleus for a Web of Open Data", with S. Auer, C. Bizer, G. Kobilarov, R. Cyganiak, Z. Ives

- ▷ International Semantic Web Conference (2016), Best Resource Paper Award for "LODStats: The Data Web Census Dataset", with I. Ermilov, M. Martin, and S. Auer
- ▷ WASABI (2014) Best Workshop Paper Award and Extended Semantic Web Conference "Best of Workshops" Award for "CROCUS: Cluster-based ontology data cleansing", with D. Cherix, R. Usbeck, A. Both
- ▷ Extended Semantic Web Conference (2014), Best Student Paper Award for "Hybrid Acquisition of Temporal Scopes for RDF Data", with A. Rula, M. Palmonari, A. Ngonga, D. Gerber and L. Bühmann
- ▷ Extended Semantic Web Conference (2014), 7-Years Most Influential Paper Award for "What have Innsbruck and Leipzig in common? Extracting Semantic from Wiki Content, with S. Auer
- ▷ Semantic Web Journal Outstanding (Best Paper of the Year) Award (2014) for "DBpedia - A Large-scale, Multilingual Knowledge Base Extracted from Wikipedia", with R. Isele, M. Jakob
- ▷ KESW Best System Description Paper at the Knowledge Engineering and Semantic Web Conference (2013) for "Linked Open Data Statistics: Collection and Exploitation", with I. Ermilov, M. Martin, S. Auer
- ▷ Outstanding Paper Award Winner at the Literati Network Awards for Excellence (2013) for "DBpedia and the Live Extraction of Structured Data from Wikipedia", with M. Morsey, S. Auer, C. Stadler, S. Hellmann
- ▷ International Semantic Web Conference Best Research Paper Award (2011) for "DBpedia SPARQL Benchmark", with M. Morsey, S. Auer and A.-C. Ngonga Ngomo
- ▷ Best Student Paper Award at the International Conference on Inductive Logic Programming (ILP) 2007 for "A Refinement Operator Based Learning Algorithm for the ALC Description Logic" and "Foundations of Refinement Operators for Description Logics" (USD 1500 price), with P. Hitzler
- ▷ Journal of Web Semantics Most Cited Paper (2006-2010) Award for "DBpedia - A Crystallization Point for the Web of Data", with C. Bizer, G. Kobilarov, S. Auer, C. Becker, R. Cyganiak and S. Hellmann

1.2 Other Awards and Nominations

- ▷ Best Student Paper Candidate at KEOD 2021 for "A Scalable Approach for Distributed Reasoning over Large-scale OWL Datasets", with H. Mohamed, S. Fathalla, H. Jabeen
- ▷ First runner-up for best paper award at the WISE conference 2020 for "Encoding Knowledge Graph Entity Aliases in Attentive Neural Network for Wikidata Entity Linking-2020", with Isaiah Onando Mulang', Kuldeep Singh, Akhilesh Vyas, Saeedeh Shekarpour, Maria-Esther Vidal, Jens Lehmann, Soren Auer
- ▷ Best Student Paper Candidate at ISWC 2020 for "Temporal Knowledge Graph Embedding Model based on Additive Time Series Decomposition", with Chengjin Xu, Nayyeri Mojtaba, Fouad Alkhoury, Hamed Shariat Yazdi
- ▷ ICEGOV Award Nomination 2019 with Fathoni Musyaffa, Hajira Jabeen (see <https://sda.tech/paper-accepted-at-icegov/>)
- ▷ Runner Up for Best Paper Award at ISCS (International Conference on Semantic Computing) 2017 for "Torpedo: Improving the State-of-the-Art RDF Dataset Slicing", with E. Marx, S. Shekarpour, T. Soru, A. Brasoveanu, M. Saleem, C. Baron, A. Weichselbraun, A. Ngonga Ngomo, S. Auer
- ▷ Fraunhofer IAIS Paper of the Month Award for "AskNow: A Framework for Natural Language Query Formalization in SPARQL" March 2017, with M. Dubey, S. Dasgupta, A. Sharma, K. Höffner
- ▷ Best Paper at CSCUBS 2017 student conference for "Dialogue Response Generation using Neural Networks with Attention and Background Knowledge", with S. Kosovan and A. Fischer
- ▷ Fraunhofer IAIS Paper of the Month Award 2017 for "LC-QuAD: A Corpus for Complex Question Answering over Knowledge Graphs", November 2017, with P. Trivedi, G. Maheshwari, M. Dubey
- ▷ International Semantic Web Conference (2017) Best Student Resource Paper Award Nomination for "LC-QuAD: A Corpus for Complex Question Answering over Knowledge Graphs, November 2017, with P. Trivedi, G. Maheshwari, M. Dubey
- ▷ The META Seal of Recognition 2015 for DBpedia (see <http://www.meta-net.eu/meta-seal>)
- ▷ DBpedia selected by ReadWriteWeb 2009 as top 10 Semantic Web product
- ▷ Runner up in the ISWC 2009 Semantic Web challenge for LinkedGeoData with S. Auer and C. Stadler

- ▷ Nomination for the 2008 Award of the Andrew W. Mellon foundation for DBpedia
- ▷ Many prizes in national math olympics on regional, state and country level 1992-2000

2 Top 10 Publications

This list is a subjective assessment of the best publications in terms of impact and quality. See <https://scholar.google.de/citations?hl=de&user=sEaQ5rgAAAAJ> for a list ordered only by citations and other CV sections for a full publication list and the list of all awards

- ▷ Beyond Boundaries: A Human-Like Approach for Question Answering over Structured and Unstructured Information Sources, *Jens Lehmann, Dhananjay Bhandiwad, Preetam Gattogi and Sahar Vahdati*, TACL 2024, 786–802
- ▷ Bringing Light Into the Dark: A Large-Scale Evaluation of Knowledge Graph Embedding Models Under a Unified Framework, *Mehdi Ali, Max Berrendorf, Charles Tapley Hoyt, Laurent Vermue, Mikhail Galkin, Sahand Sharifzadeh, Asja Fischer, Volker Tresp and Jens Lehmann*, IEEE TPAMI 2022, 8825–8845, **226 citations**
- ▷ 5* Knowledge Graph Embeddings with Projective Transformations, *Mojtaba Nayyeri, Sahar Vahdati, Can Aykul and Jens Lehmann*, AAAI 2021, 9064–9072, **276 citations**
- ▷ DBpedia: A Nucleus for a Web of Open Data, *Sören Auer, Christian Bizer, Georgi Kobilarov, Jens Lehmann, Richard Cyganiak and Zachary G. Ives*, ISWC 2007, 722–735, **ISWC 10 Year Best Paper Award, 7965 citations**
- ▷ DBpedia - A crystallization point for the Web of Data, *Christian Bizer, Jens Lehmann, Georgi Kobilarov, Sören Auer, Christian Becker, Richard Cyganiak and Sebastian Hellmann*, Journal of Web Semantics, 2009, 154–165, **Journal of Web Semantics 2006-2010 Award, 3180 citations**
- ▷ DL-Learner: Learning Concepts in Description Logics, *Jens Lehmann*, JMLR 2009, 2639–2642, **291 citations**
- ▷ Concept learning in description logics using refinement operators, *Jens Lehmann and Pascal Hitzler*, Machine Learning Journal, 2010, 203–250, **Based on two ILP Best Paper Awards, 317 citations**
- ▷ DBpedia SPARQL Benchmark - Performance Assessment with Real Queries on Real Data, *Mohamed Morsey, Jens Lehmann, Sören Auer and Axel-Cyrille Ngonga Ngomo*, ISWC 2011, 454–469, **ISWC Best Paper Award, 417 citations**

- \triangleright DBpedia - A large-scale, multilingual knowledge base extracted from Wikipedia, *Jens Lehmann, Robert Isele, Max Jakob, Anja Jentzsch, Dimitris Kontokostas, Pablo N. Mendes, Sebastian Hellmann, Mohamed Morsey, Patrick van Kleeef, Sören Auer and Christian Bizer*, Semantic Web Journal, 2015, 167–195, **SWJ Outstanding Paper Award 2014, 4793 citations**
- \triangleright Neural Network-based Question Answering over Knowledge Graphs on Word and Character Level, *Denis Lukovnikov, Asja Fischer, Jens Lehmann and Sören Auer*, WWW 2017, 1211–1220, **380 citations**

3 Acquired Funding

The table below lists project acronym, topic area, role in the project acquisition (PI = overall principal investigator, Co-PI = leading the contributions for the own organisation), funding program and acquired funding (limited only to own organisation and actual funding, i.e. 90% funding rate and a budget of 1 Mio Euro will be shown as 900k Euro).

Total Funding as (Co-)PI			20.1 Mio Euro
OpenGPT-X (Large-Scale Language Models, NetMedia Department Share)			
Co-PI	BMW	2022–2024	4,500,000 Euro
IntelliLung (Intelligent lung support system for acute respiratory failure)			
Co-PI	EU	2022–2027	1,000,000 Euro
SPEAKER (B2B Conversational AI Platform, EIS Department Share)			
Co-PI	BMW	2020–2023	1,900,000 Euro
PLATOON ((Digital PLatform and analytical TOOLS for eNergy))			
Co-PI	H2020	2020–2022	507,500 Euro
OpertusMundi (A Single Digital Market for Industrial Geospatial Data Assets)			
Co-PI	H2020	2020–2022	622,500 Euro
Cleopatra (Cross-lingual Event-centric Open Analytics Research Academy)			
Co-PI	H2020	2019–2022	505,576 Euro
MLwin (Maschinelles Lernen mit Wissensgraphen (pending))			
Co-PI	BmBF	2018–2021	506,699 Euro
Simple-ML (Big Data Machine Learning Work ows leicht gemacht (pending))			
Co-PI	BmBF	2018–2021	618,000 Euro
LAMBDA (Learning, Applying, Multiplying Big Data Analytics)			

Co-PI	H2020	2018–2021	388,500 Euro
Bio2Vec (Smart Analytics Infrastructure for the Life Sciences)			
Co-PI	CRG	2018–2021	80,000 Euro
SOLIDE (Sprachgesteuerte, kontextuelle Lagebildinformation)			
Co-PI	BmBF	2017–2020	160,000 Euro
QROWD (Crowdsourcing Big Data)			
Co-PI	EU H2020	2016–2019	753,250 Euro
SLIPO (Geospatial Analytics)			
Co-PI	EU H2020	2016–2019	833,500 Euro
Domain Specific Languages			
PI	University of Bonn	2016–2018	70,000 Euro
Cognitive Robotics			
PI	University of Bonn	2016–2018	70,000 Euro
Machine Learning for Certain Theoretical CS Problems			
PI	University of Bonn	2016–2018	140,000 Euro
Smoothed Analysis of ML Algorithms for Knowledge Graphs			
PI	University of Bonn	2016–2018	70,000 Euro
Tensor Factorisation and Visualization for Knowledge Graphs			
PI	University of Bonn	2016–2018	140,000 Euro
GEISER (Geospatial Analytics)			
Co-PI	BmWi	2016–2019	592,920 Euro
HOBBIT (Big Data Benchmarking)			
Co-PI	EU H2020	2015–2018	592,920 Euro
Big Data Europe (Big Data for European Societal Challenges)			
Co-PI	EU H2020	2015–2018	612,500 Euro
DFG (Event Support Grant for Semantics 2014)			
PI	DFG	2015–2018	20,000 Euro
PhD Grant Diego Esteves			
PI	Science without Borders	2014–2017	54,000 Euro
Diachron (Managing the Evolution and Preservation of the Data Web)			
Co-PI	EU FP7	2013–2016	531,300 Euro

GeoKnow (Project Enlargement of GeoKnow)			
PI	EU H2020	2012–2018	70,000 Euro
GeoKnow (Making the Web an Exploratory Place for Geospatial Data)			
PI	EU FP7	2012–2015	871,600 Euro
LinkingLOD (Interlinking Knowledge Bases)			
Contributor	DFG	2012–2014	89,400 Euro
PhD Grant Mohamed Sherif			
PI	DAAD	2012–2015	61,000 Euro
PhD Grant Mofeed Hassan			
PI	DAAD	2012–2015	61,000 Euro
PhD Grant Amrapali Zaveri			
PI	DAAD	2011–2014	48,000 Euro
PhD Grant Mohamed Morsey			
PI	DAAD	2011–2013	61,000 Euro
LOD2 (Creating Knowledge out of Interlinked Data)			
Major contributor		2010–2014	1,333,900 Euro
LATC (Helping You to Publish and Consume Linked Data)			
PI	Major contributor	2010–2012	198,500 Euro
Funding from Confidential Projects			
PI	-	—	2,000,000 Euro

Industry Funding

A substantial part of my Fraunhofer work consisted of direct collaboration with industry. As head of the Dresden site of Fraunhofer IAIS I led the development of a B2B conversational AI platform combining domain-specific language understanding, knowledge-graph-based question answering, and dialog management for industrial use cases. Industry partners across these activities included *DHL*, *BMW*, *Volkswagen*, *SAP*, and *PwC*, with cumulative project volumes in the multi-million Euro range. A representative public highlight was a joint demonstrator with Volkswagen at Hannover Messe 2019: a voice assistant that answered complex questions about the surrounding environment using knowledge graphs and informed machine learning, presented at a public showcase that included the German Federal Minister of Education and Research. The underlying technology stack was developed within the Fraunhofer Cluster of Excellence Cognitive Internet Technologies (CCIT) and the BMWi-funded SPEAKER project listed above.

My current role as Principal Scientist at Amazon AGI continues this combination of foundational research and large-scale industrial deployment.

4 Research Community Services

4.1 Advisory Boards

- ▷ Advisory Board Member of the LAMBDA Network (2018 - 2021)
- ▷ Advisory Board Member of the WDAqua Network of Excellence (2016 - 2017)
- ▷ Bitkom Working Group Artificial Intelligence (since 2017)

4.2 Datasets

- ▷ ARC-TGI - Human-Validated Task Generators with Reasoning Chain Templates for ARC-AGI
- ▷ LC-QuAD - Large-scale Complex Question Answering Dataset
- ▷ LinkedGeoData - Adding a spatial dimension to the Web of Data (since 2009, co-founder, co-leader)
- ▷ DBpedia - Extraction of machine understandable content from Wikipedia (since 2007, co-founder, co-leader)

4.3 Event Organisation

- ▷ Leipziger Semantic Web Tag (LSWT), 2011
- ▷ Indian-Summer School on Linked Data (ISSLOD), 2011

4.4 General Chair

- ▷ Computer Science Conference for University of Bonn Students (CSCUBS), 2016
- ▷ European Data Forum (EDF), 2015

4.5 Journal Editorial Boards

- ▷ Semantic Web Journal, 2010 - 2024
- ▷ Journal of Information Technology Research, since 2008

4.6 Networks

- ▷ European Lab for Learning and Intelligent Systems (ELLIS)
- ▷ Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI)

4.7 Panel Member

- ▷ World Wide Web Conference (WWW), 2018
- ▷ Extended Semantic Web Conference (ESWC), 2011

4.8 Program Chair

- ▷ SEMANTiCs - Transfer, Engineering, Community (SEMANTiCs), 2014
- ▷ European Data Forum (EDF), 2014

4.9 Programme Committees

- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2022
- ▷ Conference on Empirical Methods in Natural Language Processing (EMNLP), 2021
- ▷ Extended Semantic Web Conference (ESWC), 2019
- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2018
- ▷ Hybrid Question Answering with Structured and Unstructured Knowledge (HQA), 2018
- ▷ Extended Semantic Web Conference (ESWC), 2018
- ▷ Question Answering over Linked Data (QALD), 2017
- ▷ International Conference on Knowledge Capture (K-Cap), 2017
- ▷ Generalizing knowledge: from Machine Learning and Knowledge Representation to the Semantic Web (GenSW), 2017
- ▷ Top-K Shortest Path in Large Typed RDF Graphs Challenge (Top-K), 2016
- ▷ Question Answering over Linked Data (QALD), 2016
- ▷ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2015
- ▷ Natural Language Interfaces for Web of Data (NLIWoD), 2014
- ▷ International Workshop on NoSQL Databases and Linked Data Applications (NoSQL-Net), 2014
- ▷ International Semantic Web Conference (ISWC), 2014
- ▷ Extended Semantic Web Conference (ESWC), 2014
- ▷ International Conference on Knowledge Capture (K-Cap), 2013
- ▷ Ontologies and Data in Life Sciences (ODLS), 2013
- ▷ Linked Data on the Web (LDOW), 2013
- ▷ International Workshop on Description Logics (DL), 2013
- ▷ International Semantic Web Conference (ISWC), 2013
- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2013
- ▷ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2013
- ▷ ACM Conference on Hypertext and Social Media (Hypertext), 2013
- ▷ Very Large Data Search (VLDS), 2012
- ▷ Studentenkonferenz Informatik Leipzig (SKIL), 2012
- ▷ Linked Data on the Web (LDOW), 2012
- ▷ International Semantic Web Conference (ISWC), 2012

- ▷ International Conference on World Wide Web (WWW), 2012
- ▷ International Conference on Knowledge Engineering and Knowledge Management (EKAW), 2012
- ▷ Interacting with Linked Data (ILD), 2012
- ▷ GIScience in the Big Data Age 2012 (GiBDA), 2012
- ▷ Extended Semantic Web Conference (ESWC), 2012
- ▷ Studentenkonferenz Informatik Leipzig (SKIL), 2011
- ▷ Massive Information Sharing and Integration (MISI), 2011
- ▷ Linked Data on the Web (LDOW), 2011
- ▷ International Workshop on Inductive Reasoning and Machine Learning for the Semantic Web (IRMLeS), 2011
- ▷ International Semantic Web Conference (ISWC), 2011
- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2011
- ▷ International Conference on Web Engineering (ICWE), 2011
- ▷ Extended Semantic Web Conference (ESWC), 2011
- ▷ Workshop on Trust and Privacy on the Social and Semantic Web (SPOT), 2010
- ▷ Workshop on Inductive Reasoning and Machine Learning on the Semantic Web (IRMLeS), 2010
- ▷ Workshop On Linked Spatiotemporal Data (LSTD), 2010
- ▷ Studentenkonferenz Informatik Leipzig (SKIL), 2010
- ▷ Extended Semantic Web Conference (ESWC), 2010
- ▷ European Semantic Web Conference (ESWC), 2009
- ▷ Workshop on Scripting and Development for the Semantic Web (SFSW), 2009
- ▷ Workshop on Inductive Reasoning and Machine Learning on the Semantic Web (IRMLeS), 2009
- ▷ International Workshop on Web Semantics (WebS), 2009
- ▷ European Semantic Web Conference (ESWC), 2009
- ▷ Workshop on Scripting for the Semantic Web (SFSW), 2008
- ▷ International Conference on Semantic Systems (I-Semantics), 2008
- ▷ I-Semantics (IS), 2008
- ▷ SABRE Conference on Social Semantic Web (CSSW), 2007

4.10 Research Proposal Reviewing

- ▷ Reviewer for Österreichische Forschungsförderungsgesellschaft (FFG) 2020
- ▷ Reviewer for Österreichische Forschungsförderungsgesellschaft (FFG) 2016
- ▷ Reviewer for the Netherlands Organisation for Scientific Research (NWO) 2015
- ▷ Reviewer for the European Science Foundation (ESF) in the Horizon2020 Program 2015
- ▷ Reviewer for Österreichische Forschungsförderungsgesellschaft (FFG) 2015
- ▷ Reviewer for Österreichische Forschungsförderungsgesellschaft (FFG) 2013

4.11 Reviewing

- ▷ International Conference on Machine Learning (ICML), 2026
- ▷ ACL Rolling Review (ARR), 2026
- ▷ Association for Computational Linguistics (ACL), 2025
- ▷ International Conference on Machine Learning (ICML), 2025
- ▷ ACL Rolling Review (ARR), 2025
- ▷ Association for Computational Linguistics (ACL), 2024
- ▷ Empirical Methods in Natural Language Processing (EMNLP), 2024
- ▷ Conference on Neural Information Processing Systems (NeurIPS), 2022
- ▷ Association for Computational Linguistics (ACL), 2023
- ▷ Conference on Neural Information Processing Systems (NeurIPS), 2021
- ▷ Conference on Neural Information Processing Systems (NeurIPS), 2020
- ▷ Association for Computational Linguistics (ACL) Conference, 2020
- ▷ Conference on Empirical Methods in Natural Language Processing (EMNLP), 2020
- ▷ Semantic Web Journal (SWJ), 2019
- ▷ Knowledge-Based Systems (KNOSYS), 2018
- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2018
- ▷ Machine Learning (MLj), 2017
- ▷ Machine Learning (MLj), 2016
- ▷ Journal of Machine Learning Research (JMLR), 2016
- ▷ Semantic Web Journal (SWJ), 2017
- ▷ Journal of Web Semantics (JWS), 2015
- ▷ Language Resources and Evaluation Conference (LREC), 2014
- ▷ Journal of Machine Learning Research (JMLR), 2014
- ▷ Journal of Information Technology Research (JITR), 2014
- ▷ Knowledge-Based Systems (KNOSYS), 2013
- ▷ Journal of Web Semantics (JWS), 2013
- ▷ International Conference on World Wide Web (WWW), 2013
- ▷ Semantic Web Journal (SWJ), 2012
- ▷ Journal of Web Semantics (JWS), 2012
- ▷ Journal of Information Technology Research (JITR), 2012
- ▷ International Workshop on Description Logics (DL), 2012
- ▷ International Symposium on Rules (RuleML), 2012
- ▷ IEEE Intelligent Systems, 2012
- ▷ Semantic Web Journal (SWJ), 2011
- ▷ Knowledge-Based Systems (KNOSYS), 2011
- ▷ International Journal On Semantic Web and Information Systems (IJSWIS), 2011
- ▷ International Conference on Inductive Logic Programming (ILP), 2011
- ▷ IEEE Intelligent Systems, 2011
- ▷ Semantic Web Journal (SWJ), 2010

- ▷ Knowledge-Based Systems (KNOSYS), 2010
- ▷ Journal of Web Semantics (JWS), 2010
- ▷ International Conference on Inductive Logic Programming (ILP), 2010
- ▷ Journal of Web Semantics (JWS), 2009
- ▷ Journal of Information Technology Research (JITR), 2009
- ▷ International Semantic Web Conference (ISWC), 2009
- ▷ IEEE International Conference on Semantic Computing (ICSC), 2009
- ▷ European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD), 2009
- ▷ Workshop on Linked Data on the Web (LDOW), 2008
- ▷ International Journal of Metadata, Semantics and Ontologies (IJMSO) (IJMSO), 2008
- ▷ IEEE International Conference on Web Services (ICWS), 2008
- ▷ Journal of Web Semantics (JWS), 2007
- ▷ International Joint Conference on Neural Networks (IJCNN), 2007
- ▷ European Semantic Web Conference (ESWC), 2007

4.12 Senior PC Member

- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2021
- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2020
- ▷ International Joint Conference on Artificial Intelligence (IJCAI), 2019
- ▷ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2018
- ▷ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2017
- ▷ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2016
- ▷ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2014

4.13 Software

- ▷ PyKEEN - Python package designed to train and evaluate knowledge graph embedding models
- ▷ SANSa - Distributed Semantic Analytics Stack (since 2016, founder, leader)
- ▷ Sparqlify - SPARQL-SQL rewriter (since 2012, supervisor)
- ▷ DeFacto - Deep Fact Validation (since 2012, founder, co-leader)
- ▷ DL-Learner - A tool for supervised Machine Learning in OWL and Description Logics (since 2007, founder, leader)

4.14 Special Issue Editorial Boards

- ▷ Semantic Web Journal Special Issue on Machine Learning for Knowledge Base Generation and Population 2016
- ▷ Semantic Web Journal Special Issue on Linked Dataset Descriptions 2013

4.15 Sponsorship Chair

- ▷ International Semantic Web Conference (ISWC), 2014

4.16 Track/Area Chair

- ▷ ACL Rolling Review (ARR), 2026
- ▷ International Conference on Neural Information Processing Systems (NeurIPS), 2024
- ▷ International Conference on Learning Representations (ICLR), 2024
- ▷ International Conference on Learning Representations (ICLR), 2023
- ▷ Extended Semantic Web Conference (ESWC), 2016
- ▷ Extended Semantic Web Conference (ESWC), 2013
- ▷ Extended Semantic Web Conference (ESWC), 2011

4.17 Tutorial Chair

- ▷ SANSAs Leap of Faith: Scalable RDF and Heterogeneous Data Lakes, Extended Semantic Web Conference (ESWC), 2019
- ▷ QA-Tutorial: How to build a Question Answering system overnight, Extended Semantic Web Conference (ESWC), 2019
- ▷ QA-Tutorial: How to build a Question Answering system overnight, Extended Semantic Web Conference (ESWC), 2018

4.18 Workshop Chair

- ▷ Amazon Machine Learning Conference Workshop on Hallucination in Generative AI Models, 2024
- ▷ New Trends in Representation Learning with Knowledge Graphs (KGRL), 2021
- ▷ New Trends in Representation Learning with Knowledge Graphs (KGRL), 2019
- ▷ Large Scale RDF Analytics (LASCAR), 2019
- ▷ Linked Data on the Web (LDOW), 2018
- ▷ Linked Data on the Web (LDOW), 2017
- ▷ International Workshop on Knowledge Discovery and Data Mining Meets Linked Open Data (Know@LOD), 2016
- ▷ Special session on: Open Data and Geographical Information System applications(ODaGIS), 2015
- ▷ International Workshop on Knowledge Discovery and Data Mining Meets Linked Open Data (Know@LOD), 2015
- ▷ Linked Data Europe (LDE), 2014
- ▷ International Workshop on Knowledge Discovery and Data Mining Meets Linked Open Data (Know@LOD), 2014

- ▷ International Workshop on Geospatial Linked Data (GeoLD), 2014
- ▷ International Workshop on Knowledge Discovery and Data Mining Meets Linked Open Data (Know@LOD), 2013
- ▷ International Workshop on Crowdsourcing the Semantic Web (CrowdSem), 2013
- ▷ International Workshop on Knowledge Discovery and Data Mining Meets Linked Open Data (Know@LOD), 2012

5 Teaching

5.1 Courses at TU Dresden

- ▷ Seminar Conversational AI at TU Dresden, since 2022
- ▷ Seminar Knowledge Graph Representation Learning at TU Dresden, since 2022

5.2 Courses at University of Bonn

- ▷ General Chair of the Computer Science Conference of University of Bonn students (CSCUBS), A popular initiative to help students organize their own conference, 2019
- ▷ Lab Semantic Web, Yearly from 2018 until 2021
- ▷ Project group Applied Software Technology (AST), 2017
- ▷ Seminar and Lab Natural Language Processing, 2017 - 2020
- ▷ Lecture , Seminar and Exercises Semantic Web, Yearly 2017/2018 (winter semester) until 2019/2020
- ▷ Lab Distributed Big Data Analytics, Each semester, 2017 - 2020
- ▷ Seminar on Model-Driven Software Engineering, 2016
- ▷ Master Thesis Seminar, each semester 2016 - 2022
- ▷ Knowledge Graph Analysis (lecture, exercises, seminar), Yearly from 2016/2017 until 2018/2019

5.3 Courses at University of Leipzig

- ▷ Seminar Semantic Web, 2012/13
- ▷ Practical course software technology, 2012/13
- ▷ Practical course Semantic Web, 2009, 2010, 2011, 2012, 2013 and 2014
- ▷ Semantic Web lecture, 2009 - 2011 (assistant) and 2012 - 2015 (lead)
- ▷ Seminar software product line management, 2008/09
- ▷ Seminar semantic support for software development processes, 2007/08
- ▷ Seminar Semantic Web applications, 2007
- ▷ Research Seminar of the Department, 2006 - 2010
- ▷ Seminar Semantic Web services and interfaces, 2006/07

5.4 Other lectures

- ▷ 4 invited lectures at the ICCL (International Center for Computational Logic) Summer School in 2013 on the Linked Data Life-Cycle, 2013
- ▷ 2 full lecture days (20 hours) in 2012 and 1.5 full lecture days (15 hours) in 2013 for the School of Media in Leipzig, Germany, 2012 and 2013
- ▷ Half day lecture at the Leipziger Semantic Web day 2011 on web technology and semantics, 2011
- ▷ Invited lecture on ontology learning at the Reasoning Web Summer School 2010 in Dresden, Germany, 2010

6 Supervision

Several former PhD students and postdocs are now in leading academic and industrial positions. Recent professorial appointments include **Asja Fischer** (Full Professor of Machine Learning, Ruhr University Bochum; Lamarr Fellow), **Maria Maleshkova** (Full Professor / Chair of Data Engineering, Helmut Schmidt University Hamburg), **Ricardo Usbeck** (Full Professor, Leuphana University Lüneburg), and **Anisa Rula** (Associate Professor, University of Brescia). Notable industry and applied research roles include **Michael Galkin** (Senior Research Scientist, Google Research; previously Intel Labs and Mila), **Mehdi Ali** (Innovation Group Leader for Foundation Model Research, Lamarr Institute / Fraunhofer IAIS, leading OpenGPT-X and TrustLLM), **Diego Collarana** (Group Lead Knowledge-Enhanced LLMs, Fraunhofer FIT), **Kuldeep Singh** (Director GenAI Technologies, Cerence), **Endri Kacupaj** (Principal Research Scientist, Cerence), **Diego Esteves** (industry, OLX; previously Principal Data Scientist at Farfetch), and **Sebastian Hellmann** (Executive Director, DBpedia Association; Director KILT Competence Center, InfAI Leipzig).

6.1 Assistant Professors

- ▷ Maria Maleshkova, University of Bonn, 2018 - 2021
- ▷ Asja Fischer, University of Bonn, 2016 - 2018

6.2 PostDocs

- ▷ Kossi Amouzouvi, TU Dresden, Since 2022
- ▷ Robert Wardenga, University of Leipzig, Since 2021
- ▷ Giulio Napolitano, University of Bonn, 2017 - 2022
- ▷ Ricardo Usbeck, Fraunhofer IAIS, 2019 - 2021
- ▷ Michael Galkin, Fraunhofer IAIS, 2019 - 2020
- ▷ Diego Collarana, Fraunhofer IAIS, 2019 - 2022

- ▷ Anisa Rula, University of Bonn, 2017 - 2021
- ▷ Simon Scerri, University of Bonn, 2017 - 2019
- ▷ Christoph Lange, University of Bonn, 2017 - 2019
- ▷ Ioanna Lytra, University of Bonn, 2017 - 2019
- ▷ Fabrizio Orlandi, University of Bonn, 2017 - 2018
- ▷ Luís Paulo F. Garcia, University of Leipzig, 2017 - 2018
- ▷ Hamed Shariat Yazdi, University of Bonn, 2016 - 2018
- ▷ Henning Petzka, Fraunhofer IAIS, University of Bonn, 2016 - 2018
- ▷ Mohamed Ahmed Sherif, University of Leipzig, 2016 - 2018
- ▷ Bastian Haarmann, Fraunhofer IAIS, 2016 - 2017
- ▷ Alexander Kister, University of Bonn, 2016 - 2017
- ▷ Hajira Jabeen, University of Leipzig, 2015 - 2020
- ▷ Günter Kniesel, University of Bonn, Since 2015
- ▷ Kuldeep Singh, Fraunhofer IAIS, 2017 - 2019
- ▷ Amrapali J. Zaveri, University of Leipzig, 2015 - 2015

6.3 PhD Students

- ▷ Giulio Pacchiarotti, since 2026
- ▷ Lena Jurkschat, TU Dresden, since 2024
- ▷ Charvi Jain, TU Dresden, since 2024
- ▷ Preetam Gattogi, TU Dresden, since 2022
- ▷ Farshad Bakhshandegan Moghaddam, University of Bonn, 2020 - 2024
- ▷ Carsten Draschner, University of Bonn, 2020 - 2023
- ▷ Md Rashad Al Hasan Rony, Fraunhofer IAIS Dresden, 2019 - 2023
- ▷ Chengjin Xu, University of Bonn, 2019 - 2022
- ▷ Endri Kacupaj, University of Bonn, 2019 - 2022
- ▷ Lars Reimann, University of Bonn, 2019 - 2025
- ▷ Firas Kassawat, University of Bonn, 2019 - 2022
- ▷ Mirza Mohtashim Alam, University of Bonn, 2018 - 2022
- ▷ Mehdi Ali, University of Bonn, 2018 - 2023
- ▷ Shimaa Ibrahim, University of Bonn, 2018 - 2024
- ▷ Rostislav Nedelchev, University of Bonn, 2018 - 2023
- ▷ Mojtaba Nayyeri, University of Bonn, 2018 - 2020
- ▷ Jewgeni Rose, University of Bonn, 2018 - 2022
- ▷ Elisa Margareth Sibarani, University of Bonn, 2017 - 2022
- ▷ Heba Mohamed, University of Bonn, 2017 - 2025
- ▷ Afshin Sadeghi, University of Bonn, 2017 - 2022
- ▷ Patrick Westphal, University of Leipzig, 2013 - 2025
- ▷ Fathoni Musyaffa, University of Bonn, 2017 - 2021
- ▷ Mohnish Dubey, University of Bonn, 2015 - 2021

- ▷ Harsh Thakkar, University of Bonn, 2017 - 2021
- ▷ Najmeh Mousavi Nejad, University of Bonn, 2017 - 2021
- ▷ Said Fathalla, University of Bonn, 2017 - 2021
- ▷ Gezim Sejdiu, University of Bonn, 2016 - 2020
- ▷ Hamid Zafar, University of Bonn, 2017 - 2020
- ▷ Konrad Höffner, University of Leipzig, 2012 - 2020
- ▷ Diego Esteves, University of Leipzig, 2015 - 2019
- ▷ Diego Collarana, Fraunhofer IAIS, 2017 - 2019
- ▷ Michael Galkin, Fraunhofer IAIS, 2017 - 2019
- ▷ Sebastian Bader, Fraunhofer IAIS, Since 2018
- ▷ Isaiah Onando Mulang, University of Bonn, Since 2017
- ▷ Denis Lukovnikov, University of Bonn, Since 2017
- ▷ Debanjan Chaudhuri, University of Bonn, Since 2017
- ▷ Dimitris Kontokostas, University of Leipzig, 2012 - 2017
- ▷ Mohamed Ahmed Sherif, University of Leipzig, 2012 - 2016
- ▷ Kuldeep Singh, Fraunhofer IAIS, 2015 - 2019
- ▷ Amrapali J. Zaveri, University of Leipzig, 2010 - 2014
- ▷ Sebastian Hellmann, University of Leipzig, 2010 - 2014
- ▷ Mohamed Morsey, University of Leipzig, 2010 - 2013

7 List of Publications

Criterion	Value
#citation count	> 36000
#max. citations per year	> 3000
#h-index	74
#i10-index	248
#publications	357
#books	2
#journal publications	63
#conference and workshop publications	265
#book chapters	6
#proceedings	14

The auto-generated table shows publication statistics with citations according to Google Scholar ¹.

7.1 Books

- [1] Jens Lehmann. *Learning OWL Class Expressions*, volume 6 of *Studies on the Semantic Web*. IOS Press, 2010.
- [2] Jens Lehmann and Johanna Völker. *Perspectives on Ontology Learning*, volume 18 of *Studies on the Semantic Web*. IOS Press, 2014.

7.2 Journal Articles

- [3] Christian Bizer, Jens Lehmann, Georgi Kobilarov, Sören Auer, Christian Becker, Richard Cyganiak, and Sebastian Hellmann. Dbpedia - a crystallization point for the web of data. *J. Web Semant.*, 7(3):154–165, 2009. Journal of Web Semantics 2006-2010 Award.
- [4] Sebastian Hellmann, Jens Lehmann, and Sören Auer. Learning of owl class descriptions on very large knowledge bases. *Int. J. Semantic Web Inf. Syst.*, 5(2):25–48, 2009.
- [5] Jens Lehmann. Dl-learner: Learning concepts in description logics. *J. Mach. Learn. Res.*, 10:2639–2642, 2009.

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- [6] Sören Auer and Jens Lehmann. Creating knowledge out of interlinked data. *Semantic Web*, 1(1-2):97–104, 2010.
- [7] Jens Lehmann, Sebastian Bader, and Pascal Hitzler. Extracting reduced logic programs from artificial neural networks. *Appl. Intell.*, 32(3):249–266, 2010.
- [8] Jens Lehmann and Pascal Hitzler. Concept learning in description logics using refinement operators. *Mach. Learn.*, 78(1-2):203–250, 2010. Based on two ILP Best Paper Awards.
- [9] Jens Lehmann, Sören Auer, Lorenz Bühmann, and Sebastian Tramp. Class expression learning for ontology engineering. *J. Web Semant.*, 9(1):71–81, 2011.
- [10] Mohamed Morsey, Jens Lehmann, Sören Auer, Claus Stadler, and Sebastian Hellmann. Dbpedia and the live extraction of structured data from wikipedia. *Program*, 46(2):157–181, 2012.
- [11] Claus Stadler, Jens Lehmann, Konrad Höffner, and Sören Auer. Linkedgeodata: A core for a web of spatial open data. *Semantic Web*, 3(4):333–354, 2012.
- [12] Sören Auer, Jens Lehmann, Axel-Cyrille Ngonga Ngomo, Claus Stadler, and Jörg Unbehauen. Extraktion, mapping und verlinkung von daten im web - phasen im lebenszyklus von linked data. *Datenbank-Spektrum*, 13(2):77–87, 2013.
- [13] Amrapali Zaveri, Jens Lehmann, Sören Auer, Mofeed M. Hassan, Mohamed Ahmed Sherif, and Michael Martin. Publishing and interlinking the global health observatory dataset - towards increasing transparency in global health. *Semantic Web*, 4(3):315–322, 2013.
- [14] Spiros Athanasiou, Daniel Hladky, Giorgos Giannopoulos, Alejandra García-Rojas, and Jens Lehmann. Geoknow: Making the web an exploratory place for geospatial knowledge. *ERCIM News*, 2014(96), 2014.
- [15] Christian Dirschl, Katja Eck, and Jens Lehmann. Supporting the data lifecycle at a global publisher using the linked data stack. *ERCIM News*, 2014(96), 2014.
- [16] Michael Martin, Claus Stadler, Philipp Frischmuth, and Jens Lehmann. Increasing the financial transparency of european commission project funding. *Semantic Web*, 5(2):157–164, 2014.
- [17] Daniel Gerber, Diego Esteves, Jens Lehmann, Lorenz Bühmann, Ricardo Usbeck, Axel-Cyrille Ngonga Ngomo, and René Speck. Defacto - temporal and multilingual deep fact validation. *J. Web Semant.*, 35:85–101, 2015.

- [18] Jens Lehmann, Robert Isele, Max Jakob, Anja Jentzsch, Dimitris Kontokostas, Pablo N. Mendes, Sebastian Hellmann, Mohamed Morsey, Patrick van Kleef, Sören Auer, and Christian Bizer. Dbpedia - a large-scale, multilingual knowledge base extracted from wikipedia. *Semantic Web*, 6(2):167–195, 2015. SWJ Outstanding Paper Award 2014.
- [19] Jens Lehmann and Óscar Corcho. 2nd special issue on linked dataset descriptions. *Semantic Web*, 6(2):103–104, 2015.
- [20] Lorenz Bühmann, Jens Lehmann, and Patrick Westphal. Dl-learner - a framework for inductive learning on the semantic web. *J. Web Semant.*, 39:15–24, 2016.
- [21] Konrad Höffner, Michael Martin, and Jens Lehmann. Linkedspending: Openspending becomes linked open data. *Semantic Web*, 7(1):95–104, 2016.
- [22] Amrapali Zaveri, Anisa Rula, Andrea Maurino, Ricardo Pietrobon, Jens Lehmann, and Sören Auer. Quality assessment for linked data: A survey. *Semantic Web*, 7(1):63–93, 2016.
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- [29] Ana Carolina Lorena, Luís Paulo F. Garcia, Jens Lehmann, Marçílio Carlos Pereira de Souto, and Tin Kam Ho. How complex is your classification problem?: A survey

- on measuring classification complexity. *ACM Comput. Surv.*, 52(5):107:1–107:34, 2019.
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- [45] Mirza Mohtashim Alam, Md. Rashad Al Hasan Rony, Mojtaba Nayyeri, Karishma Mohiuddin, M. S. T. Mahfuja Akter, Sahar Vahdati, and Jens Lehmann. Language model guided knowledge graph embeddings. *IEEE Access*, 10:76008–76020, 2022.
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The full CV is available at <http://jens-lehmann.org/files/cv.pdf>. Visit <http://jens-lehmann.org> for more information and updates.