

Short CV Prof. Dr. Jens Lehmann

Prof. Dr. Jens Lehmann (<http://www.jens-lehmann.org>) is a Principal Scientist at [Amazon](#) where he works at the Artificial General Intelligence (AGI) organisation and previously worked at Alexa AI. His research work focuses on generic and trustworthy AI approaches that scale across a wide range of applications and hundreds of millions of customers. He also holds an honorary professorship at [TU Dresden](#) (Germany) and is a member of InfAI. He runs the Smart Data Analytics ([SDA](#)) research group across the two latter organisations. His research interests involve large language models, knowledge graphs, machine learning as well as question answering & dialogue systems. He is primarily working on connecting structured knowledge representation and machine learning to build intelligent systems.

He coordinated the [Fraunhofer](#) IAIS branch in Dresden from 2019 to 2022 and was Fraunhofer's lead scientist for Conversational AI & knowledge graphs as well as a full professor at the [University of Bonn](#) from 2015 to 2022. He was a member of the steering board and co-leader of the research track of the Fraunhofer speech assistant platform. In his role at Fraunhofer, he transferred research and innovation to high-impact practical applications for major organisations.

Prof. Jens Lehmann authored more than 200 articles in international journals and conferences cited more than 25,000 times according to Google Scholar leading to an h-index of more than 60. He won 15 best paper awards, including “test-of-time” awards for the retrospective impact of research papers over the past 5, 7 or 10 years. He coordinated and participated in several large-scale research projects, including large national AI initiatives like OpenGPT-X (openly available large-scale language models) and SPEAKER (B2B speech assistant platform). Previously, he coordinated several projects such as the European FP7 project GeoKnow and the German Research Foundation project GOLD and had leading roles in several other national and international projects.

Prof. Lehmann is the founder, leader or contributor of several open source and community projects. For instance, the [DBpedia](#) project, which he co-founded and co-leads, extracts information from Wikipedia at scale and is widely used in research and practice as a knowledge graph. He worked on technology stacks for distributed querying and analytics of knowledge graphs. He also led the [DL-Learner](#) project, which provides algorithms for supervised machine learning in description logics based on several theorems he proved. Several further projects in the areas of geospatial data access, question answering and ontology repair are run under his supervision.

Prior to starting the SDA group, he co-led the [AKSW](#) group with Prof. Dr. Axel Ngonga. His graduates and employees build successful careers both in academia and industry (e.g. Asja Fischer, Ricardo Usbeck, Maria Maleshkova, Michal Martin, Sebastian Hellmann). Since 2006, Prof. Lehmann has taught more than 30 practical courses, seminars and lectures at the universities of Leipzig, Bonn and Dresden. In 2011-2012 he was a research visitor at [Oxford University](#). He obtained a PhD with grade summa cum laude at the [University of Leipzig](#) in 2010 and a master's degree in Computer Science from the Technical University of Dresden and the University of Bristol in 2006.

Prof. Lehmann is an ELLIS fellow. ELLIS is a pan-European network advancing the scientific progress of AI in Europe. He also has a leading role in the [ScaDS.AI](#) excellence centre - one out of 5 AI excellence centres in Germany. From 2010-2022 Prof. Dr. Lehmann was an editorial board member of the Semantic Web Journal and of the Journal of Information Technology Research. He served as a reviewer and PC member in a wide range of scientific venues in the area of Artificial Intelligence, is involved in the senior PC/track chairing of top conferences like AAAI, IJCAI and ICLR, program chair at the European Data Forum 2014. He was general chair of the European Data Forum 2015 with 700 participants. In 2021 and 2020, he was ranked 3rd and 4th most influential scientist in the area of knowledge engineering by AMiner.

Website: <http://jens-lehmann.org>

Full CV: <http://jens-lehmann.org/files/cv.pdf>

Google Scholar: <http://scholar.google.com/citations?user=sEaQ5rgAAAAJ>

DBLP: <https://dblp.uni-trier.de/pid/71/4882.html>