

Authors

Melanie Andresen is a Postdoc researcher at the Institute for Natural Language Processing at the University of Stuttgart. After studying German Language and Literature (B.A.) and German Linguistics (M.A.) at Universität Hamburg, she specialized in corpus linguistics and digital humanities in her dissertation on data-driven corpus analyses. She has worked in several interdisciplinary DH projects that explored the benefit of methods from corpus and computational linguistics for disciplines such as literary studies, cultural anthropology, nursing science, and philosophy. Her current fields of research include German academic discourse and computational literary studies with a focus on drama analysis.

Ralph Barczok studied Catholic Theology, Languages and Cultures of the Christian Orient in Tübingen and Paris and received his PhD in History from the University of Konstanz in 2018 with a thesis on monasticism in medieval northern Iraq. From 2013 to 2017 he worked at the University of Konstanz and from 2017 to 2022 at the Goethe University Frankfurt as a research assistant on various projects. His research focuses on the Christianities of the Middle East, the form and function of their ecclesiastical elites and the monastic movements there.

Timo Baumann is a professor in Artificial intelligence and Natural Language Processing at Ostbayerische Technische Hochschule Regensburg focusing on spoken language interaction. Timo studied computer science and phonetics in Hamburg, Geneva and Granada and received his PhD for work on incremental spoken dialogue processing from Bielefeld University. Timo held posts as researcher at Potsdam, Bielefeld and Hamburg universities and worked as a systems scientist at Carnegie Mellon University during which time he co-headed the Rhythmicalizer research group on the computer-aided classification of poetic prosodies. Prior to his current position, Timo was the interim professor in Machine Learning at Hamburg University.

Ulrik Brandes is professor for social networks at ETH Zürich. His background is in computer science (diploma 1994 RWTH Aachen, doctorate 1999 and habilitation 2002 University of Konstanz). He is vice-president of the International Network for Social Network Analysis (INSNA), coordinating editor of *Network Science*, and on the editorial boards of *Social Networks*, *Journal of Mathematical Sociology*, *Journal of Graph Algorithms and Applications*, and *Computer Science Review*. He is a co-author of the visone software for network analysis and the GraphML data format. Major grants include a DFG Koselleck Project (2011–2017) and an ERC Synergy Project (2013–2019). His interests are in network analysis and visualization broadly, with applications to social networks in particular. Currently, his focus is on collective behaviour in association football (soccer).

Victor de Boer is an Associate Professor of User-Centric Data Science at Vrije Universiteit Amsterdam and he is Senior Research Fellow at the Netherlands Institute for Sound and Vision. His research focuses on data integration, semantic data enrichment and knowledge sharing using Linked Data technologies in various domains. These domains include Cultural Heritage, Digital Humanities and ICT for Development where he collaborates with domain experts in interdisciplinary teams. Victor has been involved (and is currently involved) in various National and European research projects, focusing on user-centric data integration and semantic enrichment. He is one of the co-directors of the Cultural AI lab.

Max Franke received his Bachelor and Master of Science in computer science from the University of Stuttgart, Germany. He is currently working towards a doctorate degree at the department for visualization and interactive systems of the University of Stuttgart. His research focusses on visually and algorithmically supporting analyses performed by Digital Humanities scholars, especially in research domains where (geo)spatial and temporal data are of interest.

Christoph Finkensiep is a doctoral researcher at the Digital and Cognitive Musicology Lab of the École Polytechnique Fédérale de Lausanne. He obtained his Bachelor's degree in Computer Science at the University of Paderborn (2014) and completed his Master's degree in Cognitive Science at the University of Osnabrück with a thesis entitled "A Formal Model of Voice Leading" (2017). His dissertation "The Structure of Free Polyphony" (2022) proposes a computational model of tonal structure on the level of notes. Research interests include music cognition, probabilistic modelling and machine learning, artificial intelligence, as well as philosophy of mind and philosophy of science.

Jan van Gemert received a PhD degree from the University of Amsterdam in 2010. There he was a post-doctoral fellow as well as at École Normale Supérieure in Paris.

Currently he leads the Computer Vision lab at Delft University of Technology. He teaches the Deep learning and Computer Vision MSc courses. His research focuses on visual inductive priors for deep learning for automatic image and video understanding. He published over 100 peer-reviewed papers with more than 6,000 citations.

Anastasia Glawion is a postdoctoral researcher at the Department of German Studies – Digital Literary Studies at the TU Darmstadt. She studied Sociology and Social Anthropology in St. Petersburg State University (2011), has a Master's Degree in European Cultural Studies from Constance University (2014) and finished her PhD in 2021 (TU Darmstadt). Her interests are in digital literary studies, network analysis and its application to literary and cultural studies, the empirical studies of literature, emotion, and reader response.

Robert Hammel obtained a master's degree in Slavic and Romance (Italian) philology at the University of Frankfurt am Main in 1990 (M. A. thesis: Contrastive Studies on Russian Verbs of Motion within the Framework of Functional Grammar). From 1992–1997 he was research assistant at the Department of Slavic Studies of the University of Göttingen where he completed his PhD thesis on the development of Russian present and past tense inflection in 1996. From 1998–2004 he was postdoctoral research Assistant at the Department of Slavic Studies of Humboldt University of Berlin. Since 2007 he is lecturer in West Slavic linguistics at the Department of Slavic and Hungarian Studies of Humboldt University of Berlin.

Carola Hein is Professor and Head, Chair History of Architecture and Urban Planning at Delft University of Technology. She has published widely in the field of architectural, urban and planning history and has tied historical analysis to contemporary development. Among other major grants, she received a Guggenheim Fellowship to pursue research on The Global Architecture of Oil and an Alexander von Humboldt fellowship to investigate large-scale urban transformation in Hamburg in international context between 1842 and 2008. Her current research interests include the transmission of architectural and urban ideas, focusing specifically on port cities and the global architecture of oil. She has curated Oildam: Rotterdam in the oil era 1862–2016 at Museum Rotterdam. She serves as IPHS Editor for Planning Perspectives and as Asia book review editor for Journal of Urban History. Her books include: *The Routledge Planning History Handbook* (2017), *Uzō Nishiyama, Reflections on Urban, Regional and National Space* (2017), *History, Urbanism, Resilience, Proceedings of the 2016 IPHS conference* (2016), *Port Cities: Dynamic Landscapes and Global Networks* (2011), *Brussels: Perspectives on a European Capital* (2007), *European Brussels. Whose capital? Whose city?* (2006), *The Capital of Europe. Architecture and Urban Planning for the European Union* (2004), *Rebuilding Urban Japan after 1945* (2003), and *Cities, Autonomy*

and *Decentralisation in Japan*. (2006), *Hauptstadt Berlin 1957–58* (1991). She has also published numerous articles in peer-reviewed journals, books, and magazines.

Paul Heinicker is a design researcher investigating discursive design concepts with a focus on the culture and politics of diagrams and data visualisations. His practice covers image-led research as well as written analyses. He finished his PhD at the University of Potsdam at the Institute for Media and Art and has an interdisciplinary background in multimedia technologies (B.Eng.) and interface design (M.A.).

Katharina Herget is a research assistant at the Department of German Studies – Digital Literary Studies headed by Prof. Dr. Thomas Weitin at the Technical University of Darmstadt. She studied German Literature and Sociology (B.A.) and holds a Master of Arts in German Literature from the University of Constance. Her research interests include digital approaches to literary history, such as topic modeling and the combination of stylometric data and network analysis, as well as novella research and 19th century literature.

Hussein Hussein studied Electrical Engineering, Computer Technology and Automatic Control from 1992 to 2000 at Tishreen University, Latakia, Syria, and then joined Dresden University of Technology (TUD) from 2004 to 2007 as a master student in acoustic and speech communication. He continued towards PhD studies at TUD which he completed in 2013. Dr. Hussein worked as research assistant at different universities (Berliner Hochschule für Technik, TU Chemnitz, Freie Universität Berlin) as well as in the industry as software developer (Linguwerk GmbH) and development engineer and project manager (ICE Gateway GmbH). He presently works as project manager at atene KOM GmbH.

Seyran Khademi is an Assistant Professor at the faculty of Architecture and the Built Environment (ABE) and the co-director of AiDAPT lab (AI for Design, Analysis, and Optimization in Architecture and the Built Environment). She is working as an interdisciplinary researcher between Computer Vision lab and Architecture Department at ABE. Her research interest lies at the intersection of Data, Computer Vision and Deep Learning in the context of man-made imagery including illustrations and visual data for Architectural Design. In 2020 she was honored to be the research in residence fellow at the Royal Library of the Netherlands working on visual recognition for children's book collection. In 2017 she was appointed as a postdoctoral researcher at Computer vision lab working on the ArchiMediaL project, regarding the automatic detection of buildings and architectural elements in visual data focusing on Computer Vision and Deep Learning methods for archival data and street-view imagery. Seyran received her Ph.D. in signal processing and optimization in 2015 from TU Delft, followed by postdoctoral research on Intelligent Audio and Speech

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Janna Kienbaum studied Italian philology and cultural studies at the University of Potsdam and Humboldt University in Berlin. Her research focuses on diagrammatics, data visualizations and digital collections of museums. In her PhD thesis she investigates the web presentation of museum art collections as a diagrammatic representation system. From 2017–2020, she was a research assistant in the mixed-methods project *analyzing networked climate images (anci)*. For the exhibition *Nach der Natur* at the Humboldt Forum (July 2021), she supervised the exhibition segments "Googled+" and "Klimazukünfte". Since 2021, she has been working as a research assistant in the project "FDNext" for research data management at the University of Potsdam.

Steffen Koch is a research associate at the Institute for Visualization and Interactive Systems, University of Stuttgart, Germany, where he received his doctorate in computer science in 2012. His research interests comprise visualization in general, with foci on visual analytics for text and documents, visualization in the digital humanities, as well as interactive visualization support for data mining and machine learning.

Benjamin Krautter studied German language and literature and political science in Stuttgart and Seoul. Currently, he is a PhD student at the Department of German Studies at the University of Heidelberg and a member of the QuaDrama / Q:TRACK project at the University of Cologne. Among other things, he is working on the operationalisation of literary concepts for quantitative drama analysis. Doing so, he focuses on how to meaningfully combine quantitative and qualitative methods for the analysis and interpretation of literary texts.

Beate Löffler received an engineering degree in Architecture in Potsdam and studied History and History of Art in Dresden afterwards. She was a long-serving employee and project manager of an ethnological digitalization project, which resulted in interests in both the epistemics of image databases and the (trans)cultural exchange of knowledge. She gained her PhD with a book about the acculturation of Christian church architecture in modern Japan (2009) and her habilitation in history and theory of architecture and construction with an analysis of Japan-related architectural discourses in Europe in the late 19th century (2020). Other fields of interest are the religious topography of the contemporary urban and the methodologies of interdisciplinary study of space and architecture. Beate Löffler researches and teaches at the TU Dortmund University.

Tino Mager is Assistant Professor of the History and Theory of Architecture and Urbanism at the University of Groningen, and President of ICOMOS Germany. Previously, he worked at the Faculty of Architecture and Built Environment at Delft University of Technology, was a fellow of the Leibniz Association and the University of Queensland. He studied media technology in Leipzig and art history and communication science in Berlin, Barcelona and Tokyo. He is Secretary General of the ICOMOS International Scientific Committee on Water and Heritage and published widely on cultural heritage. His books include: *Schillernde Unschärfe – Der Begriff der Authentizität im architektonischen Erbe* (De Gruyter 2016), *Architecture RePerformed: The Politics of Reconstruction* (Routledge 2015), *Water Heritage: Global Perspectives for Sustainable Development* (BOCH 2020), *Rational visions – production of space in the GDR* (Bauhaus University Press 2019), *BetonSalon – New Positions on Late Modern Architecture* (Neofelis 2017) and *Church buildings and their future. Restoration – conversion – adaptive reuse* (Wüstenrot Foundation 2017).

Roland Meyer is professor of West Slavic linguistics at Humboldt-Universität zu Berlin (since 2012). He holds master's degrees in Slavic and computational linguistics from the University of Tübingen, where he also completed his PhD on the syntax of questions in Russian, Polish and Czech (2002). From 2003 to 2011, he was assistant professor ('Akademischer Rat') of Slavic linguistics at the University of Regensburg, where he finished his habilitation on the history of null subjects in Russian, Polish and Czech (2011) and acted as stand-in professor of West-Slavic linguistics in 2012. Roland Meyer has headed several research projects with a strong computational or corpus linguistic part on case in Slavic, register in Slavic, on bias in Slavic questions, and on Slavic language history.

Burkhard Meyer-Sickendiek co-headed the Rhythmicalizer research group funded by Volkswagen Foundation. He earned his doctorate at Tübingen University with a study on the "Aesthetics of Epigonality" and habilitated on "literary sarcasm in German-Jewish modernity" at LMU Munich. In 2008, Meyer-Sickendiek joined FU Berlin as a guest professor within the "Languages of Emotion" cluster of excellence. We works in the broader subject area of so-called "affect poetics" and published several monographs and anthologies: For example, on "lyrical intuition", the poetology of "rumination" or the theater history of "tenderness". His current study on "Hör-lyrik" examines portals for audio poems.

Markus Neuwirth is a Professor of Music Analysis at the Anton Bruckner University Linz (since 2020). Previously he held postdoctoral positions at the Digital and Cognitive Musicology Lab of the École polytechnique fédérale de Lausanne (EPFL) and the University of Leuven, where he obtained his PhD in musicology in 2013. He is co-editor of the journal *Music Theory and Analysis*, as well as one of the main editors

of the *GMTH Proceedings*. In addition, he has been co-editor (with Pieter Bergé) of the volume *What is a Cadence? Theoretical and Analytical Perspectives on Cadences in the Classical Repertoire* (Leuven University Press, 2015), which received the Outstanding Multi-Author Collection Award 2018 from the Society for Music Theory. Neuwirth is the co-author (with Felix Diergarten) of a musical *Formenlehre* that has been published with Laaber in 2019.

Thomas Nocke is a senior researcher at the Potsdam Institute for Climate Impact Research. He studied Computer Science / Computer Graphics at the University of Rostock and did his phd there on the topic of Climate Data Visualization. Since he is with the Potsdam Institute, he investigated visual analytics of large climate data and visual communication of climate science knowledge. He is interested in interdisciplinary approaches, including digital humanities and digital climate services.

Janis Pagel is a PhD student at the Institute for Natural Language Processing at the University of Stuttgart and research associate at the Department for Digital Humanities at the University of Cologne. He studied German studies and linguistics in Bochum, and computational linguistics in Stuttgart and Amsterdam. His research focuses on the application of computational linguistic methods to concepts from literary studies and coreference resolution on literary texts.

Simon Pöpcke is a doctoral researcher at the Social Networks Lab at ETH Zurich. He studied mathematics at Kiel University and ETH Zurich (MSc ETH 2016) and worked in a data science team at a Swiss insurance company. In 2022, he defended his dissertation at ETH Zurich. His research interests are in network analysis, natural language processing, and computational text and corpus analysis.

Marcus Pöckelmann studied computer science at the Martin Luther University Halle-Wittenberg (Master 2013) and has been a member of the research group Molitor/Ritter since 2013. Within several interdisciplinary research projects, he develops web-based applications for the investigation of intertextuality together with colleagues from different disciplines of the humanities. These include the working environments LERA for the analysis of complex text variants for scholarly editions, and Paraphrasis for the retrieval and evaluation of paraphrased text passages in the ancient Greek literature.

Andrew Prescott is Professor of Digital Humanities in the School of Critical Studies, University of Glasgow. He trained as a medieval historian and from 1979–2000 was a Curator in the Department of Manuscripts of the British Library, where he was the principal curatorial contact for Kevin Kiernan's *Electronic Beowulf*. Andrew was from 2012–2019 Theme Leader Fellow for the AHRC strategic theme of *Digital Trans-*

formations. He has also worked in libraries, archives and digital humanities units at the University of Sheffield, King's College London and the University of Wales Lampeter. Publications include *English Historical Documents* (1988), *Towards a Digital Library* (1998), *The British Inheritance* (2000) and *Communities, Archives and New Collaborative Practices* (2020), as well as numerous articles on digital humanities, the history of libraries and archives, and medieval history.

Nils Reiter studied computational linguistics and computer science at Saarland University. He did his PhD in a collaboration project between classical Indology and computational linguistics at Heidelberg University (CRC “ritual dynamics”) and then worked at Stuttgart University as a scientific coordinator and investigator in the Centre for Reflected Text Analytics (CRETA). Since October 2021 he is Professor for Digital Humanities and Computational Linguistics at the University of Cologne, and head of the Data Center for the Humanities which provides research data management services and consulting to the faculty. His research interests are related to operationalization, particularly with respect to questions and concepts from literary studies.

Martin Rohrmeier studied musicology, philosophy, and mathematics at the University of Bonn and earned an MPhil and PhD in musicology at the University of Cambridge/UK. Having been a postdoctoral researcher at Microsoft Research, FU Berlin and the Massachusetts Institute of Technology, he joined TU Dresden as Open-Topic-Professor for music cognition in 2014. Since 2017 he is Professor for Digital Musicology at the École Polytechnique Fédérale de Lausanne, where he directs the Digital and Cognitive Musicology Lab (DCML). The central research projects lie at the intersection of music theory, cognition, and computation and have been funded by the Volkswagen Foundation, the SNF, and the ERC Starting Grant. Main areas of research are digital musicology, formal music theory and analysis, music psychology and cognition, as well as philosophy of language and music.

Birgit Schneider is professor for Knowledge Cultures and Media Environments in the Department of European Media Studies at the University of Potsdam, Germany. She studied art and media studies as well as media art and philosophy in Karlsruhe, London and Berlin. After initially working as a graphic designer, she worked from 2000 to 2007 at the research department “The Technical Image” at the Humboldt University in Berlin, where she received her doctorate. Since 2009, she has been researching in the context of fellowships at the European Media Studies Department of the University of Potsdam as well as in Munich, Weimar and Cambridge, UK. In 2010 she represented the Chair of History and Theory of Cultural Techniques at the Bauhaus University Weimar. Her current research focuses are images and percep-

tions of nature, ecology and climate change, diagrams, data graphics and maps as well as images of ecology. She is head of the mixed-methods project “analysing networked climate images”, co-speaker of the “Network Digital Humanities” of the University of Potsdam and a member of the research group “Sensing. On the knowledge of sensitive media”. A selection of publications: “The Technical Image” (Cambridge 2015) and *Image Politics of Climate Change* (Bielefeld 2014) and the German monographs “Textiles Prozessieren” (Berlin, 2007) and “Klimabilder” (Berlin 2018).

Ronald Siebes is a senior researcher at the User Centric Data Science group in the department Computer Science at the VU Amsterdam. He applies Linked Data research and Machine Learning in various national and European projects, ranging from Social Sciences, Humanities to IoT. Within ArchiMediaL he developed a crowdsourcing platform where participants via a web application annotate and compare historical street view images with current street view images. This data resulted in a valuable benchmark dataset for the Visual Machine Learning research community. Ronald received his Ph.D. in Artificial Intelligence where he worked on distributed reasoning algorithms using Peer-to-Peer technology.

Vera Szöllösi-Brenig has been programme director at the Volkswagen Foundation since 1999. She studied German and French Literature as well as Linguistics in Munich, passed a traineeship at a public radio station and worked for a decade as political journalist (anchor) at the Deutschlandfunk. In this time, she wrote her thesis in French Literature (Nouveau Roman). At the Volkswagen Foundation, she has been in charge of a broad range of funding programmes, e.g. “Documentation of Endangered Languages”, “Key Issues in the Humanities” and the call “Mixed Methods – Support for Projects Combining and Synergizing Qualitative-Hermeneutical and Digital Approaches”. At present, her range of tasks include the coordination of the Open Science activities at the Volkswagen Foundation.

Aleksej Tikhonov is a linguist of the Department of Slavonic and Hungarian Studies at the Humboldt University of Berlin. He completed his Ph.D. on the linguistic author identification of Rixdorf manuscripts in 2020. Currently he is working as PostDoc of the UK-German collaborative project “The History of Pronominal Subjects in the Languages of Northern Europe” between the Humboldt University of Berlin (head: Roland Meyer) and the University of Oxford (head: David Willis), and in the Multilingual Handwritten Text Recognition Project at the University of Freiburg (head: Achim Rabus). His focus languages are Russian, Czech, German, Polish, Ukrainian, and Yiddish.

Cristina Vertan is senior researcher at the Digital Humanities Research Group of the Berlin Academy of Sciences. She holds a Ph.D. in Computer Science from the

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Thomas Weitin is professor for digital philology at TU Darmstadt. His background is in experimental literary analysis with an emphasis on law and literature (magister artium 1997 University of Hamburg, doctorate 2002 Humboldt University Berlin and habilitation 2008 University of Münster). He is Senior Editor of the Open Library of the Humanities and editor of the series *Digitale Literaturwissenschaft* with Springer Nature and *Recht und Literatur* with Nomos. He is founder and chair of the Darmstadt Litlab for cognitive reception analysis. He was Humboldt Fellow at the Johns Hopkins University Baltimore, Max Planck-Fellow and Senior Fellow at the International Center for Cultural Studies in Vienna. He was visiting professor at the University of California, Berkeley and at the Tongji University in Shanghai. Major Grants include two DFG projects and a Volkswagen „Schlüsselthemen der Geisteswissenschaften“. Latest book: *Digitale Literaturwissenschaft. Eine Versuchsreihe mit sieben Experimenten*. Springer Nature 2022.

Dorothea Weltecke has held the Chair of Medieval History at Humboldt-Universität zu Berlin since 2021. Before she held chairs for the History of Religions at the Universität Konstanz (2007–2017) and for Medieval History at Goethe-Universität Frankfurt a. Main (2017–2021). Dorothea Weltecke studies the inter- and intra-religious dynamics in the history of religions in Europe and the Middle East and particular focuses on the centuries between 500 and 1500. Since her PhD thesis on the Syriac orthodox Patriarch Michael the Great (1126–1199) research on Eastern Christianity has been of interest to her.

Marcus Willand studied (2002–08) linguistics and literature, psychology and sociology in Darmstadt, Berlin and Turku (Finland). PhD (HU-Berlin, 2009–2014) on 'Reader models and reader theories', former member of the PhD-Net: 'The Knowledge of Literature' and scholarship holder of the doctoral funding of the *Studiensiftung des deutschen Volkes* (German National Academic Foundation). From 2013 to 2020 research assistant of A. Albrecht in Stuttgart and Heidelberg. 2014 to 2018 editor of *Scientia Poetica*. Former project manager (with Nils Reiter) of 'QuaDramA'

(Volkswagen Foundation) and 'Q:TRACK' (Priority Program 'Computational Literary Studies', DFG).

Eva Wöckener-Gade holds a PhD in in Classical Philology. Her research interests focus on the study of ancient Greek literature of the classical period and its reception throughout antiquity and beyond. Methodically, she is committed to working in (interdisciplinary) teams and applying new digital methods to rather old questions; she has so far been able to practise this in the projects eXChange and Digital Plato (both at the University of Leipzig) and recently as a team member in the project 'Etymologika' at the University of Hamburg (<https://www.etymologika.uni-hamburg.de/>).

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