

* 26 September 1993 (Rottenmann, Austria)

Research interests—canonisation processes, operationalisations of literary concepts, quantitative literary history, modeling (historical) reception, comparative approaches to computational literary studies

Methods—quantitative text analysis, word embeddings, metadata analysis, network analysis

Research Positions

2023 — present

Research assistant ('Landesstelle', 100%)

Technical University of Darmstadt, Institute of Linguistics and Literary Studies

2024

Visiting scholar

McGill University, Montréal, .textlab (hosted by Andrew Piper)

2024

Visiting scholar

UC Berkeley, Department of German (hosted by Deniz Göktürk)

2020 — 2023

Research assistant (DFG Priority Programme "Computational Literary Studies", 100%)

Technical University of Darmstadt, Institute of Linguistics and Literary Studies

Project: "Relating the Unread: Network Models in Literary History" in cooperation with Ulrik Brandes, Social Network Analysis, ETH Zürich

2018 — 2019

Student researcher

Technical University of Darmstadt, Institute of Linguistics and Literary Studies

Education

2020 — 2025

Doctoral student in German Philology / Computational Literary Studies

Technical University of Darmstadt, Institute of Linguistics and Literary Studies

Supervisors: Thomas Weitin and Evelyn Gius

Thesis: *Relating the Unread. Modelling Literary History* (submitted, thesis defence in June 2025)

2017 — 2019

MA in Linguistic and Literary Computing

Technical University of Darmstadt, Institute of Linguistics and Literary Studies

Supervisor: Thomas Weitin

Thesis: *The Signal and the Noise: Differentiating Stylometric Signals in the Analysis of Literary Texts* (passed with distinction)

2013 — 2017

BA in English and American Studies

University of Vienna

2014

Erasmus exchange semester

University of St Andrews

2012 — 2015

BA in Comparative Literature

University of Vienna

Awards

2020	Award for outstanding Master's projects in the research area of "Digital Humanities" , Technical University of Darmstadt
2017	CLARIN-D fellowship , European Summer University, Leipzig
2016	CLARIN-D fellowship , European Summer University, Leipzig

Teaching

Summer 2025	Discourse Analysis Project Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Summer 2025	LLMs, GPT and the Humanities Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Summer 2025	Kanon quergestellt: De- und Rekonstruktionen literarischer Klassiker Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Winter 2024/25	Discourse Analysis Project Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Winter 2024/25	Embedded Meaning: Word Embeddings in Theory and Practice Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Winter 2024/25	"Weltliteratur": Literaturklassiker und ihre produktive Rezeption Technical University of Darmstadt Institute of Linguistics and Literary Studies	Course evaluation: 1.2
Winter 2023/24	Grundkurs Literaturwissenschaft I Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Summer 2023	Metadata: Creating, Expanding, and Exploring Literary Datasets Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Summer 2023	Grundkurs Literaturwissenschaft II Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Winter 2022/23	Grundkurs Literaturwissenschaft I Technical University of Darmstadt Institute of Linguistics and Literary Studies	
Summer 2022	From Literature to Data: Metadata Analysis and Literary History Technical University of Darmstadt Institute of Linguistics and Literary Studies	Course evaluation: 1.5

Publications

Book Chapters (peer-reviewed)

- forth-coming B1 **Unlocking the Archive: Exploring Literary History through Word Embeddings**
J. Brottrager
University of Gothenburg Press

Journal & Conference Articles (peer-reviewed)

- 2024 J1 **Is badfiction processed differently by the human brain? An electrophysical study on reading experience**
T. Weitin, T. Fabian, A. Glawion, *J. Brottrager*, Z. Pilz
Frontiers in Human Neuroscience 17
- 2023 J2 **Autorschaft und literarische Kommunikation in Fanfiction-Portalen: Harry Potter auf Fanfiction.de**
T. Weitin, J. Bühler, *J. Brottrager*, A. Glawion, J. Doat
Zeitschrift für Literaturwissenschaft und Linguistik 53, 595-622
- J3 **Character Shifts in Harry Potter Fanfiction**
J. Brottrager, J. Doat, J. Häußler, T. Weitin
Zeitschrift für Literaturwissenschaft und Linguistik 53, 623-654
- 2022 J4 **Modeling and Predicting Literary Reception: A Data-Rich Approach to Literary Historical Reception**
J. Brottrager, A. Stahl, A. Arslan, U. Brandes, T. Weitin
Journal of Computational Literary Studies 1
- 2021 J5 **Predicting Canonization: Comparing Canonization Scores Based on Text-Extrinsic and -Intrinsic Features**
J. Brottrager, A. Stahl, A. Arslan
Proceedings of the Conference on Computational Humanities Research

Invited Talks

- 2024 I1 **Unlocking the Archive: Exploring Literary History through Word Embeddings**
J. Brottrager
Flows & Friction: Integrating Mixed Methods for Data-rich Research on Historical Media, University of Gothenburg, 23 May 2024
- I2 **Modeling Canonization: Computational Approaches to Literary History**
J. Brottrager
Noon Colloquium, Department of German, UC Berkeley, 19 April 2024
- I3 **Von Adaption zu Transformation: Eine quantitative Untersuchung von Charakterverschiebungen in Harry-Potter-Fanfiction**
J. Brottrager
Workshop Fanfiction & Aneignung, Forschungszentrum für historische Geisteswissenschaften der Goethe Universität Frankfurt, 14 February 2024

Talks & Presentations

2025	T1	From Canon to Score: Quantifying, Measuring, and Comparing Canonisation <i>J. Brottrager</i> DH2025, Lisbon (accepted)
2024	T2	<u>Echoes Unveiled: Quantifying Literary Historical Scholarship with Word Embeddings</u> <i>J. Brottrager</i> DH2024, Washington, DC
2023	T3	<u>Networks at Scale. A Metadata-Based Approach to Detecting Links Between Fanfiction-Communities</u> <i>J. Brottrager, A. Glawion, K. Herget, T. Weitin</i> DH2023, Graz
2022	T4	Modeling and Predicting Literary Reception: A Data-Rich Approach to Literary Historical Reception <i>J. Brottrager, A. Stahl, A. Arslan, U. Brandes, T. Weitin</i> CCLS2022, Darmstadt
	T5	Kanonisierungs- und Wertungsscore: Modellierungen literaturwissenschaftlicher Konzepte <i>J. Brottrager</i> Poster presentation at the Germanistentag 2022, Paderborn
	T6	<u>Relating the Unread: A Data-Rich Approach to the Literary Canon and the "Great Unread"</u> <i>J. Brottrager</i> DH2022, Tokyo (online)
	T7	<u>Relating the Unread: Modellierungen der Literaturgeschichte</u> <i>J. Brottrager</i> DHd2022, Potsdam (online)
2021	T8	<u>Relating the Unread: Network Models in Literary History</u> <i>J. Brottrager, A. Stahl</i> Poster presentation at the Annual Meeting of the SPP Computational Literary Studies (online)

Memberships and Functions

since 2025	Early Career Researcher Representative, CHR Board
since 2024	Reviewer for Journal of Computational Studies
since 2024	Reviewer for ADHO conferences
since 2023	Reviewer for Digital Humanities Benelux Journal
since 2023	Member of the program committee for Computational Humanities Research conferences
since 2023	Member of DHd / EADH / ADHO

Additional Training

2025	Drittmittel karrierestrategisch nutzen , Mentoring Hessen
2025	Publikationen strategisch planen , Mentoring Hessen
2024	Make an Impact - Networking and Self-Marketing for Female Scientists , Mentoring Hessen
2023	Konferenzen selbst organisieren , GRADE - Goethe Research Academy for Early Career Researchers
2023	Grundlagen der Wissenschaftskommunikation , Nationales Institut für Wissenschaftskommunikation
2023	Research Funding , Ingenium - Young Researchers at TU Darmstadt
2023	Leading Teams Successfully , Ingenium - Young Researchers at TU Darmstadt
2022	Agile Project Management , Google (Coursera)
2022	Personnel Management for Doctoral Students , Ingenium - Young Researchers at TU Darmstadt