CURRICULUM VITAE TATIANA BLADIER, M.A.

PERSONAL INFORMATION

Name	Tatiana Bladier
Date and place of birth	30.11.1988 in Lutsk, Ukraine
Affiliation	Computational Linguistics Depart., University of Düsseldorf, Germany
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E-Mail	bladier.tatiana@gmail.com
Nationality	German
Marital status	Married, 2 children

SHORT PROFILE

- Research associate and PhD student in the department of Computational Linguistics at the University of Düsseldorf in Germany.
- International publications and oral presentations at international conferences.
- Research interests and expertise: deep learning in natural language processing, neural syntax-aware semantic parsing, computational semantics and reasoning, natural language understanding, text data mining, treebank development, language modeling with Tree-Adjoining Grammar, Role and Reference Grammar and Discourse Representation Theory.

ACADEMIC EDUCATION & PROFESSIONAL DEVELOPMENT

06/2017 − 08/2024	**Research Associate** University of Düsseldorf, Department for Computational Linguistics *Main tasks:* Implementation of language modeling software, participation in international conferences and workshops, preparing international publications, teaching, student supervision, workshop organization.
09/2019 − 12/2019	**Research stay at the University Paris Diderot, France** Research stay funded by the mobility grant "AI_PROCOPE-CALL FOCUSED ON AI" provided by the French National Institute for Research in Computer Science and Automation Inria.
05/2017 − 12/2023	**PhD Student** University of Düsseldorf, Department for Computational Linguistics *Thesis:* Neural frame-semantic parsing for French with Tree-Adjoining Grammar and Role and Reference Grammar. *Supervisors:* Prof. Dr. Laura Kallmeyer, Prof. Dr. Wiebke Petersen
09/2012 − 08/2016	**B.A. Information Science and Language Technology (excellent)** University of Düsseldorf *Main Focus:* computational linguistics, computational semantics, information retrieval, knowledge management, database development. *B.A. thesis:* "A Discourse Representation Theory based analysis of the Russian perfective aspect"
05/2013 − 09/2017	**Research Assistant** Fraunhofer Institute for Environmental, Safety, and Energy Technology *Main tasks:* writing theoretical part of scientific reports, literature and patent research, participation in writing grant proposals, workshop and conference organization, web scraping with Scopus API, Twitter API and Facebook API.

09/2010 – 08/2013	**M.A. German Studies (excellent)** University of Düsseldorf *Main Focus:* German linguistics, German literature, German medieval studies. *M.A. thesis:* "Syntactic strategies of explication in the Russian-German written translation"
12/2011 – 09/2012	**Customer care service and public relation assistant** International debt collection service company "Creditreform", Germany
10/2010 – 10/2011	**Journalist (online and radio), Russian Department** International Broadcasting Company "Deutsche Welle", Bonn, Germany
10/2009 – 06/2010	**Teacher of Russian in Dresden High School, Germany**
09/2004 – 08/2009	**B.A. German Studies (excellent)** Southern Federal University, Russia *B.A. thesis:* "Change of meaning in German language: pejoration and melioration in the evaluative word meaning component."

PUBLICATION LIST

Journal Publications

1 **Bladier, T.**, Waszczuk, J., Kallmeyer, L. and Janke, J. H. (2019): From partial neural graph-based LTAG parsing towards full parsing. CLIN Journal (9) 2019.

Proceedings

1 **Bladier, T.**, Kallmeyer, L., Evang, K. (2023). Data-Driven Frame-Semantic Parsing with Tree Wrapping Grammar. *Proceedings of International Conference on Computational Semantics IWCS 2023.* Nancy, France.

2 **Bladier, T.**, Evang, K., Generalova, V., Kallmeyer, L., Möllemann, R., Moors, N., Osswald, R., Petitjean, S. (2022). RRGparbank: a Parallel Role and Reference Grammar Treebank. *Proceedings of LREC 2022.* Marseille, France.

3 Evang, K., Kallmeyer, L., Waszczuk, J., von Prince, K., **Bladier, T.**, Petitjean, S. (2022). Improving Low-resource RRG Parsing with Cross-lingual Self-training. *Proceedings of COLING 2022.* Gyeongju, Republic of Korea.

4 **Bladier, T.**, Minnema, G., van Noord, R., Evang, K. (2021). Improving DRS Parsing with Separately Predicted Semantic Roles. *Proceedings of Computing Semantics with Types, Frames and Related Structures Workshop CSTFRS 2021.* Ljubljana, Slovenia.

5 Evang, K., **Bladier, T.**, Kallmeyer, L., Petitjean, S. (2021). Bootstrapping Role and Reference Grammar Treebanks via Universal Dependencies. *Proceedings of Universal Dependencies Workshop UDW 2021 .*

6 **Bladier, T.**, Kallmeyer, L., Osswald, R., Waszczuk, J. (2020). Automatic Extraction of Tree-Wrapping Grammars for Multiple Languages. *Proceedings of the 19th International Workshop on Treebanks and Linguistic Theories TLT 2020.* Düsseldorf, Germany.

7 **Bladier, T.**, Waszczuk, J., Kallmeyer, L. (2020). Statistical Parsing of Tree Wrapping Grammars. *Proceedings of the 28th International Conference on Computational Linguistics COLING 2020.* Barcelona, Spain.

8 **Bladier, T.**, van Cranenburgh, A., Evang, K., Kallmeyer, L., Möllemann, R., Osswald, R. (2018). RRGbank: a Role and Reference Grammar Corpus of Syntactic Structures Extracted from the Penn Treebank. *17th International Workshop on Treebanks and Linguistic Theory TLT 2018.* Oslo, Norway.

9 **Bladier, T.**, van Cranenburgh, A., Samih, Y., Kallmeyer, L. (2018). German and French Neural Supertagging Experiments for LTAG Parsing. *Association for Computational Linguistics ACL 2018 Student Research Workshop*, Melbourne, Australia.

10 **Bladier, T.**, Seyffarth, E., Hellwig, O., Petersen, W. (2018). AET: Web-based Adjective Exploration Tool for German. *Language Resources and Evaluation Conference LREC 2018*, Miyazaki, Japan.

PRESENTATIONS AND TALKS

Invited Talks

1 **Bladier, T.** (2019). Neural Semantic Role Labeling for French with LTAG Supertag Features *Grammar and Corpora GAC 2018*. Research Seminar at the Paris Diderot University, Paris, France.
2 **Bladier, T.** (2019). Full neural graph-based LTAG parsing for French. (Joint work with Waszczuk, J., Kallmeyer, L., and Janke, J. H.) *Inria research centre Paris, France.*
3 **Bladier, T.** (2019). Neural Semantic Role Labeling for French FrameNet with Deep Syntactic Information. *Inria research centre Paris, France.*

Posters and Talks

1 **Bladier, T.**, Evang, K., Kallmeyer, L. (2023). Annotating Semantic Frames in RRGparbank. *The 17th International Conference on Role and Reference Grammar, Düsseldorf, Germany.*
2 Evang, K., Kallmeyer, L., Waszczuk, J., von Prince, K., **Bladier, T.**, Petitjean, S. (2022). Cross-lingual RRG Parsing. *Séminaire Almanach, INRIA, Paris, 17.06.2022.*
3 **Bladier, T.** (2022). Towards Broad-coverage Semantic Parsing for Role and Reference Grammar. *TreeGraSP Workshop, Düsseldorf, Germany*
4 **Bladier, T.**, Evang, K., Kallmeyer, L., Petitjean, S. (2022). Bootstrapping Role and Reference Grammar Treebanks via Universal Dependencies. *TreeGraSP Workshop, Düsseldorf, Germany*
5 **Bladier, T.**, Evang, K., Kallmeyer, L. (2022). Semantic role annotations for RRGparbank. *TreeGraSP Workshop, Düsseldorf, Germany*
6 **Bladier, T.**, Evang, K., Kallmeyer, L. (2022). RRG-based semantic frame parsing. *TreeGraSP Workshop, Düsseldorf, Germany*
7 Arps, D., **Bladier, T.**, Evang, K., Kallmeyer, L., Möllemann, R., Osswald, R., Petitjean, S. (2021). Elementary trees in RRGparbank. *The 16 th International Conference on Role and Reference Grammar, Toronto, Canada.*
8 **Bladier, T.**, Minnema, G., van Noord, R., Evang, K. (2021). Using predicted semantic roles for DRS parsing. *TreeGraSP Workshop, Düsseldorf, Germany*
9 **Bladier, T.**, Kallmeyer, L. (2020). Automatic Extraction of Tree-Wrapping Grammars for German. *Grammar and Corpora GAC 2020, Kraków, Poland*
10 **Bladier, T.**, Candito, M. (2020). Neural Semantic Role Labeling Using Deep Syntax for French FrameNet. *Computational Linguistics in the Netherlands CLIN30, Utrecht, the Netherlands*
11 **Bladier, T.**, Kallmeyer, L., Osswald, R., Waszczuk, J. (2020). Automatic extraction of Tree Wrapping Grammars from discontinuous constituent treebanks. *TreeGraSP Workshop, Düsseldorf, Germany.*
12 **Bladier, T.**, Kallmeyer, L., Waszczuk, J. (2020). Neural supertag-based parsing for Tree Wrapping Grammars. *TreeGraSP Workshop, Düsseldorf, Germany.*
13 Arps, D., **Bladier, T.**, Waszczuk, J. (2020). Towards Grammar Extraction and Probabilistic Parsing for Tree Wrapping Grammar. *TreeGraSP Workshop, Düsseldorf, Germany.*
14 **Bladier, T.**, Evang, K., Kallmeyer, L., Möllemann, R., and Osswald, R. (2019) Creating RRG treebanks through semi-automatic conversion of annotated corpora. *Role and Reference Grammar 2019, Buffalo, NY, USA.*
15 Arps, D., **Bladier, T.**, Kallmeyer, L. (2019). Chart-based RRG parsing for automatically extracted and hand-crafted RRG grammars. *Role and Reference Grammar 2019, Buffalo, NY, USA.*
16 **Bladier, T.**, Janke, J. H., Waszczuk, J., Kallmeyer, L. (2019). From partial neural graph-based LTAG parsing towards full parsing. *Computational Linguistics in the Netherlands CLIN29 2019.* Groningen, Netherlands.

17 **Bladier, T.**, van Cranenburgh, A., Kallmeyer, L. (2018). Extraction of LTAG-based supertags from the French Treebank: challenges and possible solutions. *Grammar and Corpora GAC 2018*. Paris, France.

18 **Bladier, T.**, Evang, K., Möllemann, R. (2018). From Penn Treebank to RRGbank: Creating the first large Role and Reference Grammar Resource. *TreeGraSP Workshop*, Düsseldorf, Germany.

19 **Bladier, T.**, Janke, J. (2018). On TAG Parsing as Dependency Parsing, or Neural (almost-)Parsing with French LTAGs. *TreeGraSP Workshop*, Düsseldorf, Germany.

20 **Bladier, T.** (2018). Bi-LSTM TAG Supertagging for French and German. *TreeGraSP Workshop*, Düsseldorf, Germany.

21 **Bladier, T.**, van Cranenburgh, A., Evang, K., Kallmeyer, L., Möllemann, R., Osswald, R. (2018). RRGbank —- creating a Role and Reference Grammar resource through an automatic conversion of the Penn treebank. *Grammar and Corpora GAC 2018*. Paris, France

22 **Bladier, T.** (2018). Frame-semantic parsing for French with LTAG supertagging. *NASSLLI 2018 Student Session*, Pittsburgh, USA.

23 **Bladier, T.**, Evang, K., Zinova, Y. (2018). Representing Slavic Aktionsarten in DRT with Boxer. *German Linguistic Society DGfS 2018*, Stuttgart, Germany.

24 **Bladier, T.**, Evang, K., Zinova, Y. (2017). Aspecto-temporal Representation of Slavic Aktionsarten in DRT with Boxer. *Logic and Engineering of Natural Language Semantics LENLS-14*, Tokyo, Japan.

TEACHING ACTIVITIES AND THESIS SUPERVISION

Fall 2023	Discourse Representations (University of Düsseldorf)
Fall 2022	Discourse Representations (University of Düsseldorf)
Spring 2022	Advanced NLP Programming with Python (University of Düsseldorf)
Spring 2021	Advanced NLP Programming with Python (University of Düsseldorf)
Spring 2020	Linguistic Resources (University of Düsseldorf)
Spring 2019	Computational Semantics (University of Düsseldorf)
Fall 2018	Deep Learning in Natural Language Processing (University of Düsseldorf)
Spring 2018	Parsing beyond Context-Free Grammars (University of Düsseldorf)
Fall 2017	Discourse Representation Theory (University of Düsseldorf)

Thesis Supervision

Title: "Transformers-based Supertagging Model for Statistical Parsing of Tree Wrapping Grammars", student: Svetlana Schmidt (2021, University of Düsseldorf).

Title: "Architecture Evaluation for Performance Optimization of a Web-Based, Database-Supported Language Analysis Tool", Bachelor thesis of Caner Türkmen (2020, University of Düsseldorf).

Title: "Defective verbal paradigms in Spanish – A case study on 'abolir'", Bachelor thesis of Jannis Jakobs (2019, University of Düsseldorf).

Title: "Transition-based AMR Parsing with Supertags", Bachelor thesis of Jule Pohlmann (2019, University of Düsseldorf).

Title: "Dependency Parsing for Lexicalized Tree Adjoining Grammars based on Supertags and Neural Networks", Bachelor thesis of Jörg Hendrik Janke (2018, University of Düsseldorf).

Internship Supervision

Sommer 2023: Internship supervision (co-supervisor) with the topic "Annotation of semantic roles in French subcorpus of RRGparbank", intern: Alena Johnen (University of Düsseldorf).

Fall 2022: Internship supervision (co-supervisor) with the topic "Annotation of semantic roles in Russian subcorpus of RRGparbank", intern: Anastasia Yablokova (University of Düsseldorf).

Spring 2020: 4 weeks internship supervision of Ekaterina Gabrovska working on the project about adjective chains (University of Düsseldorf).

GRANTS AND STIPENDS

Sep 2019 – Dec 2019	Mobility grant "AI_PROCOPE-CALL FOCUSED ON AI" by the French National Institute for Research in Computer Science and Automation Inria (total sum: 6500 Euro).
Oct 2009 – May 2010	Stipend from German Pedagogic Exchange Service (PAD) for a pedagogic service in Germany (total sum: 7920 Euro).
Oct 2007 – Feb 2008	Grant from German Academic Exchange Service (DAAD) for bachelor students of German Language and Culture for a research stay in Germany (total sum: 3900 Euro).

COMMITEE WORK

2021	Conference Organization Committee Member for KONVENS conference 2021.
2020	Conference Organization Committee Member at ACL SRW 2020.
2020	Committee Member for the W3 professorship in the teaching of Semantics at University of Düsseldorf.
2019	Committee Member for the W3 professorship in the teaching of Morphology and Syntax at University of Düsseldorf.

REVIEWING

Conferences	ACL SRW (since 2020), LREC (since 2020), TLT (since 2020)
Journals	Computer Speech and Language (since 2020)

PROFESSIONAL MEMBERSHIPS

since 2017	Member of Association for Computational Linguistics (ACL)
since 2018	Member of Linguistic Society of America (LSA)
since 2018	Member of Role and Reference Grammar List (RRG list)
since 2018	Member of Society for Computation in Linguistics (SCiL)

FURTHER SKILLS

Languages	Russian (mother tongue), German (fluent), English (fluent), French (good)
IT & Software	Python, Keras, TensorFlow, Flask, JavaScript, HTML/CSS, MySQL, Prolog, Ontology editor Protégé.

CAREER BREAKS

11/2020 – 07/2021	maternity leave and then part time 25%, child care
07/2023 – 02/2024	maternity leave and then part time 25%, child care
02/2024 – 08/2024	part time 50%, child care

Rognac, France, 2 April 2024