

Peter Makarov

Schneckenmannstrasse 34
Zurich 8044, Switzerland
+41 78 769 43 00
makarov@cl.uzh.ch

Education

Ph.D. student of computational linguistics, Zurich University	2014-2020
M.A., 2013, computational linguistics, Tübingen University	2008-2013
Diploma, 2007, theoretical and applied linguistics, Moscow State Linguistics University	2002-2007

Interests

natural language processing, machine learning, low-resource languages, computational morphology, information extraction, computational social science

Latest Employments

Graduate research assistant, Zurich University	Jul 2014-present
NLP/ML Software Engineer at Legartis, Zurich	Mar 2018-Jul 2020
Google Computational Linguist PhD Intern, Zurich	Oct 2019-Jan 2020

Refereed Conference Papers

Semi-supervised Contextual Historical Text Normalization.
Peter Makarov and Simon Clematide.
In *ACL 2020*. Long conference paper. Acceptance rate 25.2%.

Imitation Learning for Neural Morphological String Transduction.
Peter Makarov and Simon Clematide.
In *EMNLP 2018*. Short conference paper. Acceptance rate 23.2%.

Neural Transition-based String Transduction for Limited-Resource Setting in Morphology.
Peter Makarov and Simon Clematide.
In *COLING 2018*. Long conference paper: Acceptance rate 37.4%. **Honorable mention**.

Book Chapter

Design and Methods of Semi-Automated Protest Event Analysis.
Jasmine Lorenzini, Peter Makarov, and Bruno Wüest.
In *H. Kriesi, J. Lorenzini, B. Wüest and S. Husermann (eds.) 2020: Contention in Times of Crisis: Recession and Political Protest in Thirty European Countries*.
Cambridge University Press.

Refereed Workshop Papers

Automated Acquisition of Patterns for Coding Political Event Data: Two Case Studies.
Peter Makarov
In *Proceedings of the Second Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature at COLING 2018*. Long workshop paper

Constructing an Annotated Corpus for Protest Event Mining.
Peter Makarov, Jasmine Lorenzini, and Hanspeter Kriesi.
In *Proceedings of the First Workshop on Natural Language Processing and Computational Social Science at EMNLP 2016*. Short workshop paper

Systems Papers

CLUZH at SIGMORPHON 2020 shared task on multilingual grapheme-to-phoneme conversion.
Peter Makarov and Simon Clematide.

In *Proceedings of the 17th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology* at ACL 2020. **(2nd place out of 9 teams)**

UZH at CoNLL–SIGMORPHON 2018 Shared Task on Universal Morphological Reinflection.

Peter Makarov and Simon Clematide.

In *Proceedings of the CoNLL–SIGMORPHON 2018 Shared Task: Universal Morphological Reinflection* at EMNLP 2018. **(best system of Task 1)**

UZH at TAC KBP 2017: Event Nugget Detection via Joint Learning with Softmax-Margin Objective.

Peter Makarov and Simon Clematide.

In *Proceedings of TAC KBP 2017 Workshop*. **(best overall system in all three languages)**

Align and Copy: UZH at SIGMORPHON 2017 Shared Task for Morphological Reinflection.

Peter Makarov,* Tatiana Ruzsics,* and Simon Clematide.

In *Proceedings of the CoNLL–SIGMORPHON 2017 Shared Task: Universal Morphological Reinflection* at ACL 2017. (* contributed equally) **(best system of Task 1)**

CLUZH at VarDial GDI 2017: Testing a Variety of Machine Learning Tools for the Classification of Swiss German Dialects.

Simon Clematide and Peter Makarov.

In *Proceedings of the Forth VarDial Workshop* at EACL 2017. **(3rd place out of 10 teams)**

Non-refereed Documents

Guidelines for Annotating Protest Events.

Peter Makarov.

<https://pub.cl.uzh.ch/projects/nccr/polcon/guidelines>

Academic Service – Reviewing

ACL 2020, 2019 EMNLP-IJCNLP 2019 EACL 2021

NAACL-HLT 2019 EMNLP 2020, 2018

Selected Past Employments

Graduate research assistant, Tübingen University	2013-2014
Collaborative Research Centre SFB 833	

Teaching assistant, Tübingen University / Zürich University	2010-2012, 2016
Courses by Gerhard Jäger/Harald Baayen, Detmar Meurers, Simon Clematide	

Editor/translator in TRUST Investment Bank, Moscow	2007-2008
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Intern at Muintrearras, Connemara, Ireland	Nov 2006-Jan 2007
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Other Achievements

Top-25 team of HackZürich 2016 (biggest hackathon in Europe)

Skills

Languages: Russian (native), English (fluent), German (advanced), Korean, Irish (intermediate)

Programming: Python (working knowledge), Python scientific stack and ML/DL libraries, version control, Unix; experience with various programming languages (e.g. Java, Prolog) and NLP tools

Programming projects: <https://github.com/peter-makarov>

References

Simon Clematide (simon.clematide@cl.uzh.ch), Zürich University

Martin Volk (volk@cl.uzh.ch), Zürich University

Miscellaneous

Big-band drummer (incl. previously with ETH-Zürich University “Polyband” big band)