

# Elisa Bassignana

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## EDUCATION

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### IT University of Copenhagen

*Ph.D. Computer Science*

Copenhagen, DK

*Nov. 2020 – Present*

- **Specialization in NLP.** Supervisors: Prof. Barbara Plank and Dr. Rob van der Goot
- Affiliated Research: Ludwig Maximilian University of Munich, since 2022
- Research Visitor: University of Turku, 2022. Supervisors: Prof. Filip Ginter and Dr. Sampo Pyysalo
- High-Performance Language Technologies (HPLT) & Nordic Language Processing Laboratory (NLPL) Winter School on Large-Scale Language Modeling and Neural Machine Translation with Web Data 2023
- Advanced Language Processing Winter School (ALPS) 2022
- Lisbon Machine Learning School (LxMLS) 2021

### University of Turin

*M.Sc. Computer Science (Summa Cum Laude)*

Turin, IT

*Oct. 2018 – Oct. 2020*

- Research Visitor: University of Groningen, Spring 2020.
- **Master Thesis:** *Personal-ITY: a YouTube Corpus for Personality Profiling in Italian Social Media.* Supervisors: Prof. Viviana Patti and Prof. Malvina Nissim.

### University of Turin

*B.Sc. Computer Science (Cum Laude)*

Turin, IT

*Oct. 2015 – Jul. 2018*

- **Bachelor Thesis:** *HurtLex: Developing a Multilingual Computational Lexicon of Words to Hurt.* Supervisors: Prof. Viviana Patti and Dr. Valerio Basile

## EXPERIENCE

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### Ph.D. Fellow

*IT University of Copenhagen*

Nov. 2020 – Present

*Copenhagen, DK*

- Working on Domain Adaptation for Information Extraction;
- Deeply exploring Cross-domain Relation Extraction;
- Investigating Relation Extraction in the scientific domain with Deep Learning techniques.
- Experience in large-scale annotation project.
- Creation of a multi-domain dataset for Relation Extraction.

## TEACHING

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Introduction to Natural Language Processing and Deep Learning (Lecturer)

ITU, Spring 2023

Vertiefung der Grundlagen der Computerlinguistik (Guest Lecturer)

LMU, Fall 2022

Seminars in Data Science (Lecturer and Examiner)

ITU, Fall 2022

Introduction to Natural Language Processing and Deep Learning (Lecturer and Senior TA) ITU, Spring 2022

## SERVICES

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**Co-Chair:** Workshop on Natural Language for Artificial Intelligence (NL4AI 2023), Student Research Workshop of EACL 2023

**Member:** EACL Student Board (2022-)

**Organiser:** Communicating State-of-the-art NLP Research to a Broader Audience (PhD Course ITU, 2021)

**Reviewer:** ACL 2023, W-NUT 2022, EMNLP 2022, W-NUT 2021, PEOPLES 2020

**Volunteer:** ACL 2022, CLiC-it 2018

## PUBLICATIONS

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10. **Elisa Bassignana**, Filip Ginter, Sampo Pyysalo, Rob van der Goot, and Barbara Plank. “*Silver Syntax Pre-training for Cross-Domain Relation Extraction*”. To appear in Findings of the Association for Computational Linguistics: ACL 2023.
9. **Elisa Bassignana**, Filip Ginter, Sampo Pyysalo, Rob van der Goot, and Barbara Plank. “*Multi-CrossRE A Multi-lingual Multi-Domain Dataset for Relation Extraction*”. In Proceedings of the 24rd Nordic Conference on Computational Linguistics (NoDaLiDa).
8. **Elisa Bassignana**, and Barbara Plank. “*CrossRE: A Cross-Domain Dataset for Relation Extraction*”. In Findings of the Association for Computational Linguistics: EMNLP 2022.
7. Dennis Ulmer, **Elisa Bassignana**, Max Müller-Eberstein, Daniel Varab, Mike Zhang, Rob van der Goot, Christian Hardmeier, and Barbara Plank. “*Experimental Standards for Deep Learning in Natural Language Processing Research*”. In Findings of the Association for Computational Linguistics: EMNLP 2022.
6. **Elisa Bassignana**, Max Müller-Eberstein, Mike Zhang, and Barbara Plank. “*Evidence > Intuition: Transferability Estimation for Encoder Selection*”. In Proceedings of The 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP 2022)
5. **Elisa Bassignana**, and Barbara Plank. “*What do You Mean by Relation Extraction? A Survey on Datasets and Study on Scientific Relation Classification*”. In Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics: Student Research Workshop (SWR-ACL 2022).
4. Dennis Ulmer, **Elisa Bassignana**, Max Müller-Eberstein, Daniel Varab, Mike Zhang, Christian Hardmeier, and Barbara Plank. “*Experimental Standards for Deep Learning Research: A Natural Language Processing Perspective*”. Machine Learning Evaluation Standards at ICLR 2022. **Outstanding Paper Award**.
3. **Elisa Bassignana**, Malvina Nissim, and Viviana Patti. “*Personal-ITY: A Novel YouTube-based Corpus for Personality Prediction in Italian*”. In Proceedings of the Seventh Italian Conference on Computational Linguistics (CLiC-it 2020).
2. **Elisa Bassignana**, Malvina Nissim, and Viviana Patti. “*Matching Theory and Data with Personal-ITY: What a Corpus of Italian YouTube Comments Reveals About Personality*”. In Proceedings of the Third Workshop on Computational Modeling of People’s Opinions, Personality, and Emotion’s in Social Media (PEOPLES 2020).
1. **Elisa Bassignana**, Valerio Basile, and Viviana Patti. “*Hurtlex: A multilingual lexicon of words to hurt*”. In Proceedings of the Fifth Italian Conference on Computational Linguistics (CLiC-it 2018).

## TALKS

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Huawei Finland Research Center	November 2022
Helsinki-NLP group (University of Helsinki)	October 2022
GroNLP group (University of Groningen)	October 2021

## AWARDS

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<b>Outstanding Paper Award</b> , Machine Learning Evaluation Standards at ICLR (2,000 USD)	2022
<b>Student Volunteer Award</b> , free attendance to ACL (300 USD)	2022
<b>Pietro Torasso</b> , best M.Sc. thesis in AI at the University of Turin (1,500 €)	2020
<b>Erasmus+ Scholarship</b> , sole recipient for an exchange semester at the University of Groningen	2020

## TECHNICAL SKILLS

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**Languages:** Italian (Native), English (Fluent), Danish (Beginner)

**Programming Languages:** Python, C, Java, SQL, CLIPS, Prolog, Haskell

**Developer Tools:** PyCharm, Git, Visual Studio, IntelliJ

**Libraries:** PyTorch, scikit-learn, NumPy, Matplotlib

## EXTRACURRICULAR

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**Music:** Conservatory Certification of Pre-academic Level (Cello), Ghedini Conservatory, Cuneo

**Other activities:** Au-Pair Experience in London (Summer 2019), Scoutmaster, Kids Educator