



Dr. Eleni Metheniti

Curriculum Vitae

PERSONAL DETAILS

<i>Mail</i>	lenakmeth@gmail.com
<i>Website</i>	lenakmeth.github.io
<i>Github</i>	github.com/lenakmeth
<i>Google Scholar</i>	scholar.google.com/citations?user=atTlou4AAAAJ

WORK EXPERIENCE

Postdoctoral Researcher in RAKEL Project *February 2024 - ongoing*
Artificial and Natural Intelligence Toulouse Institute (ANITI)

- Research on LLM explainability and hallucinations
- Teaching in Intro2AI class (M2 CArE, Paul Sabatier University)

Postdoctoral Researcher in Andiamo Project *February 2023 - July 2024*
Institut de Recherche en Informatique de Toulouse (IRIT)

- Participation in DISRPT 2023 Shared Task: Discourse Relation Classification across Formalisms
- Development of systems for discourse analysis with multilingual and multi-framework capacities

Research Assistant in iRead Project *April 2017 - October 2019*
Deutsches Forschungszentrum für Künstliche Intelligenz, Part-time

- Construction of age-specific German corpus and word dictionary with phonological, morphological, orthographic features.
- Construction of German Grammar with phonological, morphological, syntactic rules and assigned rule difficulty based on Language Acquisition theory.
- Construction of Syntactic rule matching algorithm using aforementioned syntactic rules in order to assign syntactic difficulty to text based on syntactic complexity.

Language Consultant in vivli.io *July 2014 - January 2016*
thinking lpc, Part-time

- Linguistic and literary analysis of book text, digital annotations based on TEI XML specifications.
- Member of the winning team of HackTheBook hackathon, Athens 2016.

EDUCATION

PhD Researcher *November 2019 - June 2023*
CNRS & University of Toulouse 2

Thesis title: What do you know, BERT? Exploring the linguistic competencies of Transformer-based contextual word embeddings

Thesis advisors: Dr. Nabil Hathout (CLLE), Dr. Tim Van de Cruys (KU Leuven)

MSc Language Science and Technology *October 2016 - September 2019*
Saarland University

Thesis title: Linguistically-inspired neural morphological inflection

Thesis advisors: Dr. Günter Neumann, Dr. Josef van Genabith

BA Greek Philology, Major in Linguistics *October 2010 - September 2015*
University of Patras

Thesis title (in Modern Greek): A clitic dictionary of Modern Greek nouns & adjectives in Python

Thesis advisor: Dr. Kyriakos Sgarbas (Dept. of Electrical and Computer Engineering)

PUBLICATIONS

(PEER-REVIEWED, DOUBLE-BLIND)

- Politician—An Imitation Game** 2017
D. Kuboň, E. Metheniti, and B. Hladká
International Conference on Internet Science
- Wikinflection: Massive semi-supervised generation of multilingual inflectional corpus from Wiktionary** 2018
E. Metheniti and G. Neumann
Proceedings of the 17th International Workshop on Treebanks and Linguistic Theories (TLT 2018)
- Identifying Grammar Rules for Language Education with Dependency Parsing in German** 2019
E. Metheniti, P. Park, K. Kolesova, and G. Neumann
International Conference on Dependency Linguistics (DepLing)
- Wikinflection corpus: A (better) multilingual, morpheme-annotated inflectional corpus** 2020
E. Metheniti and G. Neumann
Proceedings of the Twelfth Language Resources and Evaluation Conference
- How relevant are selectional preferences for transformer-based language models?** 2020
E. Metheniti, T. Van de Cruys, and N. Hathout
Proceedings of the 28th International Conference on Computational Linguistics (LREC 2020)
- Prédire l’aspect linguistique en anglais au moyen de transformers** 2021
E. Metheniti, T. Van de Cruys, and N. Hathout
Actes de la 28e Conférence sur le Traitement Automatique des Langues Naturelles. Volume 1: conférence principale
- About Time: Do Transformers Learn Temporal Verbal Aspect?** 2022
E. Metheniti, T. Van de Cruys, and N. Hathout
12th Workshop on Cognitive Modeling and Computational Linguistics (CMCL 2022)
- “Chère maison” or “maison chère”? Transformer-based prediction of adjective placement in French** 2023
E. Metheniti, T. Van de Cruys, W. Kerkri, J. Thuilier, and N. Hathout
Findings of the Association for Computational Linguistics: EACL 2023
- DisCut and DiscReT: MELODI at DISRPT 2023** 2023
E. Metheniti, C. Braud, P. Muller, and L. Rivière
3rd Shared Task on Discourse Relation Parsing and Treebanking (DISRPT 2023)
- Feature-augmented model for multilingual discourse relation classification** 2024
E. Metheniti, C. Braud, and P. Muller
5th Workshop on Computational Approaches to Discourse (CODI 2024)
- Zero-shot learning for multilingual discourse relation classification** 2024
E. Metheniti, P. Muller, C. Braud, and M. Hernández-Casas
Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)

Une revue sur les hallucinations des LLM

2025

E. Metheniti, S. Bhar, and N. Asher

Actes des 32ème Conférence sur le Traitement Automatique des Langues Naturelles (TALN), volume 1 : articles scientifiques originaux (CORIA-TALN 2025)

REFERENCES

Available on demand by Prof. Dr. Nabil Hathout (nabil.hathout@univ-tlse2.fr) and Dr. Philippe Muller (philippe.muller@irit.fr).

SCHOLARSHIPS

CNRS Project 80|Prime

2019 - 2023

3-year full-time funding of doctoral thesis.

Erasmus+ Mobility for Traineeships

January 2015 - April 2015

Scholarship for an international internship in the European Union.

PROFESSIONAL ACTIVITIES

Master's Thesis Supervisor

2021-2022

Ordre des mots et modèles neuronaux: La place de l'adjectif épithète en français

Wissam Kerkri, Co-supervision with Juliette Thuilier, University of Toulouse 2

Master's Thesis Supervisor

2021-2022

Prédire l'aspect verbal en français avec des modèles neuronaux

Nikola Telenga, Co-supervision with Nabil Hathout, University of Toulouse 2

Program Committee Member

Since 2018

ACL Rolling Review (various), ACL, EMNLP, EACL, CONVERSATIONS, LoResMT

Session Chair

EACL 2024

LANGUAGES

Modern Greek, English

Fluent

French, Ancient Greek, Latin

Advanced

Spanish

Intermediate

TECHNICAL SKILLS

Programming Languages

PYTHON (advanced), PERL (basic), JAVA (basic)

Python Libraries

Transformers, PyTorch, Keras, pandas, nltk, matplotlib

Markup Languages–Vocabularies

HTML, XHTML, XML, Dublin Core

Other

GitHub, GitLab, L^AT_EX, WordPress