



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 NLP and Neural Network modules in Intro2AI class

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)

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 ^A T _E X, WordPress