

# Alessandro Raganato

## CURRICULUM VITÆ

### PART 1 - General Information

Full name	Alessandro Raganato
Current position	Associate Professor
	University of Milano-Bicocca
	Department of Informatics, Systems, and Communication (DISCo)
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Personal webpage	<a href="https://raganato.github.io/">https://raganato.github.io/</a>
Google Scholar	<a href="https://scholar.google.com/citations?user=aeK0emAAAAJ">https://scholar.google.com/citations?user=aeK0emAAAAJ</a>
Scopus	<a href="https://www2.scopus.com/authid/detail.uri?authorId=57190841330">https://www2.scopus.com/authid/detail.uri?authorId=57190841330</a>
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Date	13 December 2025

**Short Bio.** Alessandro Raganato is an Associate Professor at the University of Milano-Bicocca (DISCo) and a member of the Information and Knowledge Representation, Retrieval, and Reasoning (IKR3) Lab. He received his PhD in Computer Science from Sapienza University of Rome (2018), supervised by Roberto Navigli, with research on multilingual lexical semantics and word sense disambiguation. From 2018 to 2022 he was a postdoctoral researcher at the University of Helsinki, working in the FoTran team led by Jörg Tiedemann on neural machine translation and multilingual modeling. His research focuses on robust evaluation and methodology for multilingual Natural Language Processing (NLP), spanning lexical semantics, machine translation, and, more recently, large language models and multimodal language understanding (including 3D/vision-language settings). He has published extensively in top-tier venues and regularly serves the community in key reviewing roles, receiving the ACL 2018 Best Reviewer Award and the EMNLP 2023 Best Area Chair Award, among other recognitions.

**Knowledge, Skills and Experience.** Alessandro Raganato has established expertise in multilingual NLP, with major contributions to lexical semantics and word sense disambiguation (evaluation resources, modeling approaches, and multilingual benchmarks) and to neural machine translation (analysis of architectures and cross-lingual generalization). His recent work expands to large language models, including evaluation of model capabilities and reliability, and to multimodal understanding, with a focus on integrating language with structured perceptual inputs (e.g., 3D point clouds). Across these areas, his experience combines: (i) rigorous benchmark design and dataset creation, (ii) empirical evaluation and diagnostic analysis, and (iii) method development for multilingual and multimodal learning. He is also strongly engaged in scientific service, acting as reviewer/area chair for leading venues and receiving international awards for reviewing and area-chairing.

**Teaching experience.** Alessandro Raganato has designed and taught courses at Sapienza University of Rome, the University of Helsinki, and the University of Milano-Bicocca, covering foundational programming as well as advanced topics in NLP and machine learning. At Sapienza, he served as tutor for courses in Object-Oriented Programming (BSc) and Natural Language Processing (MSc). At the University of Helsinki, he designed and lectured master-level courses on modern neural machine translation and on natural language understanding and representation learning. At the University of Milano-Bicocca, he currently teaches “Computer Programming” (BSc Computer Science) and “Natural Language Processing” across multiple degree programs (BSc Artificial Intelligence; MSc Data Science; MSc Human-Centered AI), and contributes to PhD-level teaching (e.g., modules on transformer variants and foundational models). He has also delivered outreach-oriented short courses (e.g., for high school programs) and completed formal university pedagogy training at both Helsinki and Milano-Bicocca.

**Keywords:** Natural Language Processing (NLP), Computational Linguistics, Lexical Semantics, Machine Translation, Word Sense Disambiguation (WSD), Natural Language Understanding (NLU), Large Language Model (LLM), Multimodal, Multilingual.

## **PART 2 - Education**

- 2018 PhD in Computer Science, Sapienza University of Rome.
- 2014 MS in Computer Science, Sapienza University of Rome - mark 110/110 cum laude
- 2012 BS in Computer Science, Sapienza University of Rome.

## **PART 3 - Certificates**

- from 03/10/2022, National Italian Qualification for the functions of Associate Professor in Computer Science - Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 01/B1 - INFORMATICA.
- 2024, Specific training of workers for office activities (4 hours) - Formazione specifica dei lavoratori per attività in ufficio (4 ore).
- 2024, General training of workers (4 hours) - Formazione generale dei lavoratori (4 ore).
- 2024, Emergency management during closing hours for research activities (1 hour) - La gestione delle emergenze in orario di chiusura per le attività di ricerca (1 ora).

## **PART 4 - Appointments**

### **Current**

- from 01/03/2025

POSITION: Associate Professor  
INSTITUTION: Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy.

### **Previous positions**

- 01/03/2022 - 28/02/2025  
POSITION: Tenure-track Assistant Professor (RTDB)  
INSTITUTION: Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy.  
AREA: Natural Language Processing, Lexical Semantics, Machine Translation.  
NOTE: Duties include research, teaching, graduate and Ph.D. students mentoring.
- 01/03/2018 - 28/02/2022  
POSITION: Postdoctoral Researcher  
INSTITUTION: University of Helsinki, Finland.  
AREA: Natural Language Processing, Lexical Semantics, Machine Translation.  
NOTE: Duties include research, teaching, graduate and Ph.D. students mentoring.

### **Industry appointments**

- 2019  
POSITION: Head of Technology  
INSTITUTION: Basement AI, a private research lab and consultancy startup, Helsinki, Finland  
AREA: Natural Language Processing, Machine Translation.

### **PhD**

- 01/11/2014 - 12/02/2018  
POSITION: PhD student under the supervision of Professor Roberto Navigli  
INSTITUTION: Computer Science Department, Sapienza University of Rome, Italy  
AREA: Natural Language Processing, Lexical Semantics, Word Sense Disambiguation.

## **PART 5 - Teaching Experience**

### **Teaching**

2025/2026:

- Lecturer: "Foundational Models", PhD course for the Doctorate program in Computer Science hosted by the Department of Informatics, Systems and Communication, University of Milano-Bicocca

2024/2025:

- Lecturer: “The Transformer architecture: variants and applications”, PhD course for the Doctorate program in Computer Science hosted by the Department of Informatics, Systems and Communication, University of Milano-Bicocca

2023/2024 - present:

- Lecturer: “Natural Language Processing”, Master in Data Science, University of Milano-Bicocca
- Lecturer: “Natural Language Processing”, Master in Human-Centered Artificial Intelligence, University of Milano-Bicocca

2022/2023 - present:

- Lecturer: “Programmazione 1 (Computer Programming)”, Bachelor in Computer Science, Department of Informatics, Systems and Communication (DISCo), University of Milano-Bicocca
- Lecturer: “Text Mining and Natural Language Processing”, Bachelor in Artificial Intelligence, University of Milano-Bicocca

2021/2022, 2022/2023:

- Lecturer: “Basi di dati (Databases)”, Bachelor in Computer Science, Department of Informatics, Systems and Communication (DISCo), University of Milano-Bicocca

2018/2019, 2020/2021, 2021/2022:

- Lecturer: “A practical introduction to modern neural machine translation” – master-level course, University of Helsinki, Finland.

2019/2020:

- Lecturer: “Natural Language Understanding and Representation Learning” – master-level course, University of Helsinki, Finland.

2015/2016, 2016/2017:

- Tutor: “Natural Language Processing” presented by Prof. Roberto Navigli - master-level course, Sapienza University of Rome, Italy.
- Tutor: “Object-Oriented Programming” presented by Prof. Roberto Navigli - bachelor-level course, Sapienza University of Rome, Italy.

### Other Teaching Experience

Short courses on various computer science topics tailored for high school students and senior citizens.

- 2024 - “Informatica e intelligenza artificiale”, UNITRE Milano Università delle tre età
- 2024 - “PNRR Orientamento attivo scuola-università”, University of Milano-Bicocca
- 2023 - “Summer School PNRR - Studiare informatica”, University of Milano-Bicocca
- 2023 - “Primavera in Bicocca (Bachelor Artificial Intelligence)”, University of Milano-Bicocca

### University Pedagogy Training

The university pedagogy training focuses on academic learning, teaching, learning environments, and practices. Following the successfully completed courses:

- 2022 - “Corso Didattica per la Grande Aula” at University of Milano-Bicocca
- 2021 - “University Pedagogy 2.1, Constructive Alignment in Course Design” at University of Helsinki
- 2020 - “University Pedagogy 1, Learning in Higher Education” at University of Helsinki

## PART 6 - Research Projects

### EUROPEAN INSTITUTIONS:

- Research fellow - MultiJEDI (FP7-IDEAS-ERC under grant agreement no. 259234 budget € 1,288,400.00) is a 5-year ERC Starting Grant (2011-2016) headed by Prof. Roberto Navigli at the Linguistic Computing Laboratory of the Sapienza University of Rome. The project has two main objectives: creating

large-scale lexical resources for dozens of languages, and enabling multilingual text understanding.

- Research fellow - MOUSSE (ERC-2016-COG under grant agreement no. 726487 budget € 1,497,250.00) is a 5-year ERC Consolidator Grant (2017-2023) headed by Prof. Roberto Navigli at the SapienzaNLP Laboratory of the Sapienza University of Rome. The project proposes a research program to investigate radically new directions for enabling multilingual semantic parsing, without the heavy requirement of annotating training data for each new language.
- Research fellow - FoTran (ERC-2017-COG under grant agreement no. 771113 budget € 1,817,622.00) is a 5-year ERC Consolidator Grant (2018-2023) headed by Prof. Jörg Tiedemann at the Language Technology Laboratory of the University of Helsinki. The goal of the project is to develop models for Natural Language Understanding trained on implicit information given by large collections of human translations.

#### FINNISH INSTITUTIONS:

- Research fellow: NLUXLG (NLU with Cross-Lingual Grounding) is a 2-year (2018-2019 budget € 330,981.00) Academy Project funded by the Academy of Finland, a governmental funding institution in Finland. The project, led by Prof. Jörg Tiedemann, proposes a line of research focusing on the development of novel multilingual data-driven models that can learn vector-based meaning representations from textual data covering a substantial proportion of the linguistic diversity in the world.

#### ITALIAN INSTITUTIONS:

- Participant: “ANTHEM: AdvaNced Technologies for Human-centrEd Medicine” - Spoke 1 “Data and technologies to support diagnostic decisions and the development of personalized therapies” - funded by the Italian Ministry of University and Research within the National Complementary Plan - Piano Nazionale Complementare (PNC).
- Participant: “AMAR-Adaptive Models for context-Aware Representation and understanding of multimedia content”, funded by FAIR - Future Artificial Intelligence Research, Spoke 4 - Adaptive AI - Bando 1, budget € 650,000.00.
- PI (Principal Investigator) - HPC CINECA Italian SuperComputing Resource Allocation – ISCRA-C 2023, 2024, 2025 and ISCRA-B 2024 - access and use of the supercomputer EuroHPC pre-exascale Tier-0 LEONARDO.
- PI (Principal Investigator): “A (Deep) Language Agnostic Natural Language Processing Pipeline”, University Grant for PhD students “Avvio alla ricerca” 2016, budget € 1,000.00, Sapienza University of Rome.
- PI (Principal Investigator): “Semantic platform for Historical Research”, University Grant for PhD students “Avvio alla ricerca” 2015, budget € 1,000.00, Sapienza University of Rome.

## PART 7 - Group Memberships

2022 - present:

Group: IKR3 Lab - The Information and Knowledge Representation, Retrieval, and Reasoning Laboratory at the University of Milano-Bicocca, headed by Prof. Gabriella Pasi

Description:

The research activity undertaken by the IKR3 Lab is aimed at defining models and techniques that improve the limitations of current systems for Information Access. In particular, Information Retrieval and Information Filtering tasks are considered. The research activity that is undertaken at the IKR3 Lab also addresses the issues of Text Mining and Social Media Analytics.

2024 - present:

Group: Me.Te. - Inter-University Research Center on Methods and Digital Technologies for the Empowerment and Rehabilitation of Cognitive and Linguistic Functions, between Politecnico Milano-Department of Electronics, Information and Bioengineering, and University of Milano-Bicocca.

2024 - present:

Group: GRIN “Società Informatica Italiana”, The objectives of GRIN are the organization, coordination, and promotion of the institutional scientific and educational activities of university professors in Computer Science.

2022 - present:

Group: ELLIS Society - The European Laboratory for Learning and Intelligent Systems is a pan-European AI network of excellence which focuses on fundamental science, technical innovation and societal impact.

Description:

ELLIS builds upon machine learning as the driver for modern AI and aims to secure Europe's sovereignty in this competitive field by creating a multi-centric AI research laboratory. ELLIS wants to ensure that the highest level of AI research is performed in the open societies of Europe.

2018 - 2022

Group: HelsinkiNLP - Language Technology Research Group at the University of Helsinki, headed by Prof. Jörg Tiedemann

Description:

The group's work focuses on devising novel multilingual Natural Language Processing approaches, exploiting textual translations and audiovisual data. The group's work is financed by several sources of funding, including European grants, such as ERC and Horizon 2020, and other national projects.

2014 - 2018

Group: SapienzaNLP Laboratory headed by Prof. Roberto Navigli - Sapienza University of Rome

Description:

The group aims at devising and developing innovative approaches to multilingual Natural Language Understanding, pursuing a vision focused on integrating explicit, symbolic knowledge with deep learning. The group's work is financed by several sources of funding, including ERC grants, other EU and national projects, and the Babelscape Sapienza spin-off.

## **Part 8 - National and International Services and Achievements**

### **Supervision**

- co-supervisor of one PhD student, Marco Braga, Italian National PhD Program in Artificial Intelligence, cycle 38 (2022-2025).
- co-supervisor of several Bachelor and Master Theses in Computer Science and Data Science at the University of Milano-Bicocca.

### **Department Duties at the University of Milano-Bicocca**

- Seminars and Workshops Tutor for the Human-centered Artificial Intelligence (HCAI) Master's degree since 2025.
- Member of the Scheduling Timetable Committee (“Commissione Orari”) since 2023, for the Bachelor's Degree in Computer Science, and three Master's Degrees, Computer Science, Theory and Technology of Communication (TTC), and Data Science, respectively.
- Member of the Admission Test Committee for extra-EU applicants, Data Science Master's Program - 2023/2024, 2024/2025.
- Member of the Selection Committee for curricular teaching activities at the Department of Informatics, Systems, and Communication for the academic years 2025/2026.
- Orientamento 2025 summer school in June, and OpenDay Bachelor AI in May 2025.
- Contact person for Action 3 - Objective 3 (Development of data annotation tools - AI for the improvement of social and personal well-being), for the ReGAInS project, “Department of Excellence 2023-2027” at the Department of Informatics, Systems, and Communication, University of Milan-Bicocca.
- Alternate member of the Selection Committee for curricular teaching activities at the Department of Informatics, Systems, and Communication for the academic years 2023/2024 and 2024/2025.

### Other National and International Roles:

- Member of the Next-year Admission Committee for the Italian National PhD Program for the academic years 2023/2024 and 2024/2025.
- Member of the Final Examination Committee for the PhD in Computer Science - 36th cycle, at Sapienza University of Rome - 2024.
- Member of the Final Examination Committee for the PhD in Computer Engineering - 38th cycle, at Sapienza University of Rome - 2026.
- Reviewer for several PhD theses:
  - PhD Program in Computer Science at Sapienza University of Rome - 2025. Candidate: Dr. Silvio Severino. PhD Thesis Title: “Breaking Sequential Barriers: Parallel Decoding Methods for Efficient Transformers.”
  - PhD Program in Computer Science at Sapienza University of Rome - 2024. Candidate: Dr. Andrea Santilli. PhD Thesis Title: “Effective, Efficient and Reliable Large Language Models.”
  - PhD Program in Computer Engineering at Sapienza University of Rome - 2024. Candidate: Dr. Nicolò Brandizzi. PhD Thesis Title: “Conversational Agents in Human-Machine Interaction - Reinforcement Learning and Theory of Mind in Language Modeling.”
  - National PhD Program in Artificial Intelligence at Sapienza University of Rome - 2024. Candidate: Dr. Andrei Stefan Bejgu. PhD Thesis Title: “Unifying Latent Alignment Methods for NLP: From Words to Concepts.”
  - Examiner (opponent) at the Ph.D. defense at VU University of Amsterdam, Ph.D. Thesis title “The Meaning of Word Sense Disambiguation Research” by Dr. Marten Postma, 2019.
- Expert evaluator of projects for the Swiss National Science Foundation (SNSF) - 2023, 2024.
- Expert evaluator of projects for the DSTrain Program - Department of Informatics, University of Oslo, funded by EU Horizon Europe under the Marie Skłodowska-Curie Action (MSCA) - 2024.
- Invited as an expert evaluator project reviewer for the Canada Foundation for Innovation (CFI) - 2022.
- Expert evaluator of projects for the Czech Science Foundation (GACR) - 2022, 2024.
- Expert evaluator for Horizon Europe (HORIZON) - 2023, 2024.
- Invited as an expert evaluator for the French National Research Agency (ANR) - 2025.

### Invited Talk

- 2025 - talk at ELLIS workshop on Natural language and speech understanding
- 2025 - seminar on Natural Language Processing and Large Language Models at the University of Trieste, Department of Mathematics, Informatics, and Geosciences.
- 2024 - talk at the SapienzaNLP group led by Prof. Roberto Navigli - Sapienza University of Rome
- 2024 - talk at the HelsinkiNLP group led by Prof. Jörg Tiedemann, University of Helsinki
- 2022 - talk at the Artificial Intelligence Workshop of the Ellis Unit Milan - presentation title “Language and the Attention mechanism in Transformer’s time”
- 2022 - talk at the MilaNLP Lab led by Prof. Dirk Hovy - Bocconi University
- 2020 - lecturer at the Nordic Language Processing Laboratory (NLPL) winter school
- 2020 - talk at the CardiffNLP group led by Dr. Jose Camacho-Collados - Cardiff University (United Kingdom)
- 2020 - talk at the SapienzaNLP group led by Prof. Roberto Navigli - Sapienza University of Rome (Italy)

### Member of Program Committees

Regularly invited to serve as a Program Committee (PC) Member of international top-tier conferences and journals (A and A\* according to the CORE ranking <http://www.core.edu.au/>). Partial list of PCs I have been involved in:

- Nature
- Artificial Intelligence Journal (AIJ)
- Transactions of the Association for Computational Linguistics (TACL)
- Annual Meeting of the Association for Computational Linguistics (ACL)
- International Joint Conference on Artificial Intelligence (IJCAI)

- European Conference on Artificial Intelligence (ECAI)
- International Conference on Computational Linguistics (COLING)
- International Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)
- International Conference on Empirical Methods in Natural Language Processing (EMNLP)
- ACL Rolling Review (ARR - centralized reviewing service for top-tier conferences under the Association for Computational Linguistics)

Acted as a Senior Program Committee member (SPC), and Area Chair (AC) for international conferences:

- AC - The Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING) 2024
- AC - The Conference on Empirical Methods in Natural Language Processing (EMNLP) 2023, 2025
- AC - The European Conference on Artificial Intelligence (ECAI) 2020, 2024, 2025
- AC - The Joint Conference on Lexical and Computational Semantics (STARSEM) 2023
- AC - European Chapter of the Association for Computational Linguistics (EACL) 2021
- SPC - International Joint Conference on Artificial Intelligence (IJCAI) 2021

### **Other Services to the Scientific Community**

Part of the organization committee of international and national conferences as:

- Website and Conference App Chairs for “ACL - The 63rd Annual Meeting of the Association for Computational Linguistics” 2025.
- Local Organization Committee for “IIR - Italian Information Retrieval (IIR) Workshop” 2022.
- Publication Chair for “STARSEM - The 11th Joint Conference on Lexical and Computational Semantics” 2022.
- Virtual Infrastructure Committee Chair for “ACL - Association for Computational Linguistics (ACL)“ 2021.

### **PART 9 - Awards and Honors**

- 2025 - Best Task Paper Runner Up - The 19th International Workshop on Semantic Evaluation 2025 (SemEval is a series of international Natural Language Processing research workshops whose mission is to advance the current state of the art in semantic analysis and to help create high-quality annotated datasets in a range of increasingly challenging problems in natural language semantics).
- 2024 - Best Task Paper Award - The 18th International Workshop on Semantic Evaluation 2024 (SemEval is a series of international Natural Language Processing research workshops whose mission is to advance the current state of the art in semantic analysis and to help create high-quality annotated datasets in a range of increasingly challenging problems in natural language semantics).
- 2023 - Best Area Chair (AC) Award - The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP) - (ranking A\* according to CORE <http://www.core.edu.au/>).
- 2018 - Member of the selection committee for the Best Demo Paper award for the top-tier (A\* according to CORE) Association for Computational Linguistics (ACL) conference 2018.
- 2018 - Best Reviewer Award for the top-tier (A\* according to CORE) Association for Computational Linguistics (ACL) conference.
- 2014 - Student Award “Excellent Sapienza Graduate” (Laureato Eccellente Sapienza).

### **PART 10 - Publications**

#### **Publication Summary**

At present date (13 December 2025), according to Scopus <https://www.scopus.com/authid/detail.uri?authorId=57190841330> H-index is 16, number of documents 47, number of citations is 1373 (by 1021 documents), number of co-authors is 53.

At present date (13 December 2025), according to Google Scholar, <https://scholar.google.com/citations?user=ae0emAAAAAJ>, H-index is 19 and i10-index is 30, number of documents 57, number of citations is 3380.

## International Journals

1. Marco Braga, Alessandro Raganato and Gabriella Pasi. MAdaKron: a Mixture-of-AdaKron Adapters. *Knowledge-Based Systems*, 2025.
2. Giorgio Mariani, Alessandro Raganato, Simone Melzi and Gabriella Pasi. GLUE3D: General Language Understanding Evaluation for 3D Point Clouds. *Information Fusion*, 2025.
3. Alessandro Raganato, Gabriella Pasi and Simone Melzi. Attention and positional encoding are (almost) all you need for shape matching. *Computer Graphics Forum (CGF) 2023 (Proc. Symposium on Geometry Processing - SGP)*.
4. Jörg Tiedemann, Mikko Aulamo, Daria Bakshandaeva, Michele Boggia, Stig-Arne Grönroos, Tommi Nieminen, Alessandro Raganato, Yves Scherrer, Raúl Vázquez and Sami Virpioja. Democratizing neural machine translation with OPUS-MT. *Language Resources and Evaluation*, 2023.
5. Raúl Vázquez, Alessandro Raganato, Mathias Creutz, and Jörg Tiedemann. 2020. “A systematic study of inner-attention-based sentence representations in multilingual neural machine translation.” *Computational Linguistics* 46, no. 2 (2020): 387-424. DOI [10.1162/coli\\_a\\_00377](https://doi.org/10.1162/coli_a_00377)
6. José Camacho-Collados, Claudio Delli Bovi, Alessandro Raganato and Roberto Navigli. 2019. “Sense Defs: a multilingual corpus of semantically annotated textual definitions.” *Language Resources and Evaluation (LRE)*, 251–278 (2019). DOI <https://doi.org/10.1007/s10579-018-9421-3>
7. Andrea Moro, Alessandro Raganato, and Roberto Navigli. 2014. “Entity linking meets word sense disambiguation: a unified approach.” *Transactions of the Association for Computational Linguistics (TACL)* 2 (2014): 231-244, DOI [10.1162/tacl\\_a\\_00179](https://doi.org/10.1162/tacl_a_00179).

## International Conferences

1. Marco Braga, Pranav Kasela, Alessandro Raganato and Gabriella Pasi. “Investigating Task Arithmetic for Zero-Shot Information Retrieval.” *The 48th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2025)*
2. (Runner up - Best task description paper) Raul Vazquez, Timothee Mickus, Elaine Zosa, Teemu Vahtola, Jörg Tiedemann, Aman Sinha, Vincent Segonne, Fernando Sanchez - Vega, Alessandro Raganato, Jindřich Libovický, Jussi Karlsgren, Shaoxiong Ji, Jindřich Helcl, Liane Guillou, Ona De Gibert, Jaione Bengoetxea, Joseph Attieh and Marianna Apidianaki. “SemEval-2025 Task 3: Mu-SHROOM, the Multilingual Shared-task on Hallucinations and Related Observable Overgeneration Mistakes.” *Proceedings of the 19th International Workshop on Semantic Evaluation (SemEval-2025)*.
3. Alessandro Raganato, Rafael Peñaloza, Marco Viviani and Gabriella Pasi. “Reasoning Capabilities and Invariability of Large Language Models.” *The 2024 IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT’24)*.
4. Marco Braga, Pranav Kasela, Alessandro Raganato and Gabriella Pasi. “Synthetic Data Generation with Large Language Models for Personalized Community Question Answering.” *The 2024 IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT’24)*.
5. Giorgio Longari, Lorenzo Olearo, Simone Melzi, Rafael Peñaloza and Alessandro Raganato. “How to Blend Concepts in Diffusion Models.” *The Eighth Image Schema Day (ISD8) 2024*.
6. Marco Braga, Alessandro Raganato and Gabriella Pasi. “AdaKron: an Adapter-based Parameter Efficient Model Tuning with Kronecker Product.” *The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation. LREC-COLING 2024*.
7. (Best task description paper) Timothee Mickus, Elaine Zosa, Raúl Vázquez, Teemu Vahtola, Jörg Tiedemann, Vincent Segonne, Alessandro Raganato and Marianna Apidianaki. “SemEval-2024 Task 6: SHROOM, a Shared-task on Hallucinations and Related Observable Overgeneration Mistakes.” *Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024)*.

8. Timothee Mickus, Stig-Arne Grönroos, Joseph Attieh, Michele Boggia, Ona De Gibert, Shaoxiong Ji, Niki Andreas Loppi, Alessandro Raganato, Raúl Vázquez and Jörg Tiedemann. “MAMMOTH: Massively Multilingual Modular Open Translation @ Helsinki.” Proceedings of the 18th Conference of the European Chapter of the Association for Computational Linguistics (EACL): System Demonstrations. 2024.
9. Simone Melzi, Rafael Peñaloza and Alessandro Raganato. “Does Stable Diffusion Dream of Electric Sheep?.” Proceedings of the Seventh Image Schema Day (ISD7) 2023.
10. Michele Boggia, Stig-Arne Grönroos, Niki Loppi, Timothee Mickus, Alessandro Raganato, Jörg Tiedemann and Raúl Vázquez. “Dozens of Translation Directions or Millions of Shared Parameters? Comparing Two Types of Multilinguality in Modular Machine Translation.” In Proceedings of the 24th Nordic Conference on Computational Linguistics (NoDaLiDa), pages 238–247, Tórshavn, Faroe Islands. 2023.
11. Alessandro Raganato, Iacer Calixto, Asahi Ushio, Jose Camacho-Collados and Mohammad Taher Pilehvar. “SemEval-2023 Task 1: Visual Word Sense Disambiguation.” Proceedings of the 17th International Workshop on Semantic Evaluation (SemEval-2023).
12. Elias Bassani, Pranav Kasela, Alessandro Raganato and Gabriella Pasi. “A Multi-Domain Benchmark for Personalized Search Evaluation.” Proceedings of the 31st ACM International Conference on Information and Knowledge Management (CIKM), October 2022.
13. Raúl Vázquez, Michele Boggia, Alessandro Raganato, Niki A. Loppi, Stig-Arne Grönroos and Jörg Tiedemann. “Scaling Up Language Coverage in Neural Machine Translation Using Distributed Training with Language-Specific Components.” Proceedings of the 23rd Annual Conference of the European Association for Machine Translation (EAMT), June 2022.
14. Alessandro Raganato, Raúl Vázquez, Mathias Creutz and Jörg Tiedemann. 2021. “An Empirical Investigation of Word Alignment Supervision for Zero-shot Multilingual Neural Machine Translation.” Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP), 7-11 November 2021. DOI [10.18653/v1/2021.emnlp-main.664](https://doi.org/10.18653/v1/2021.emnlp-main.664)
15. Michele Bevilacqua, Tommaso Pasini, Alessandro Raganato, and Roberto Navigli. 2021. “Recent Trends in Word Sense Disambiguation: A Survey.” In International Joint Conference on Artificial Intelligence, pp. 4330-4338. International Joint Conference on Artificial Intelligence, 2021. DOI <https://doi.org/10.24963/ijcai.2021/593>
16. Iacer Calixto, Alessandro Raganato, and Tommaso Pasini. 2021. “Wikipedia Entities as Rendezvous across Languages: Grounding Multilingual Language Models by Predicting Wikipedia Hyperlinks.” In Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, pp. 3651-3661. 2021. DOI [10.18653/v1/2021.naacl-main.286](https://doi.org/10.18653/v1/2021.naacl-main.286)
17. Tommaso Pasini, Alessandro Raganato, and Roberto Navigli. 2021. “XL-WSD: An Extra-Large and Cross-Lingual Evaluation Framework for Word Sense Disambiguation.” In Proceedings of the AAAI Conference on Artificial Intelligence, vol. 35, no. 15, pp. 13648-13656. 2021. <https://ojs.aaai.org/index.php/AAAI/article/view/17609> ISBN: 978-1-57735-866-4
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32. Claudio Delli Bovi, and Alessandro Raganato. 2017. “SEW-EMBED at SemEval-2017 Task 2: Language-Independent Concept Representations from a Semantically Enriched Wikipedia.” In Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017), pp. 261-266. 2017.
33. Alessandro Raganato, Claudio Delli Bovi, and Roberto Navigli. 2016. “Automatic construction and evaluation of a large semantically enriched wikipedia.” In Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, pp. 2894-2900. 2016.
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### National Conferences

1. Pranav Kasela, Marco Braga, Alessandro Ghiotto, Andrea Pilzer, Marco Viviani and Alessandro Raganato. “DIETA: A Decoder-only transformer-based model for Italian–English machine TrAnslation.” Italian Conference on Computational Linguistics (CLiC-it) - Cagliari, Italy, Sept. 24-26th, 2025.
2. Cristian Ceccarelli, Alessandro Raganato and Marco Viviani. “Knowledge-Grounded Detection of Factual Hallucinations in Large Language Models.” Italian Conference on Computational Linguistics (CLiC-it) - Cagliari, Italy, Sept. 24-26th, 2025.
3. Alessandro Raganato, Francesco Bartoli, Cristina Crocamo, Daniele Cavaleri, Giuseppe Carrà, Gabriella Pasi and Marco Viviani. “Leveraging Prompt Engineering and Large Language Models for Automating MADRS Score Computation for Depression Severity Assessment.” Ital-IA 2024: 4th National Conference on Artificial Intelligence, organized by CINI, May 29-30, 2024, Naples, Italy.
4. Alessandro Riva, Alessandro Raganato and Simone Melzi. “Localized Gaussians as Self-Attention Weights for Point Clouds Correspondence.” Smart Tools and Applications in Graphics (STAG) 2024.
5. Daniele Rizzo, Alessandro Raganato and Marco Viviani. “Comparatively Assessing Large Language Models for Query Expansion in Information Retrieval via Zero-Shot and Chain-of-Thought Prompting.” In Proceedings of the 14th edition of the Italian Information Retrieval (IIR) Workshop, 2024, Udine, Italy.
6. Effrosyni Sokli, Alessandro Raganato and Gabriella Pasi. “Incorporating Cognitive Complexity of Text in Dense Retrieval for Personalized Search.” In Proceedings of the 14th edition of the Italian Information Retrieval (IIR) Workshop, 2024, Udine, Italy.
7. Marco Braga, Alessandro Raganato and Gabriella Pasi. “Personalization in BERT with Adapter Modules and Topic Modelling.” In Proceedings of the 13th edition of the Italian Information Retrieval (IIR) Workshop, June 08-09 2023 Pisa, Italy
8. Federico Scozzafava, Alessandro Raganato, Andrea Moro, and Roberto Navigli. 2015. “Automatic identification and disambiguation of concepts and named entities in the multilingual wikipedia.” In Congress of the Italian Association for Artificial Intelligence (AixiA), pp. 357-366. Springer, 2015.

## PART 11 - Other activities

2025 Contact person and organizer of the seminar “Precise Language Models for Imprecise Humans: Open Post-training Recipes and Verifiable Instruction Following”, Dr. Valentina Pyatkin (Allen Institute for AI & University of Washington), at the Department of Informatics, Systems and Communication (DISCo) University of Milano-Bicocca

2024 Contact person and organizer of the seminar “From Zero-shot Learning to Training-free Generalization”, Dr. Massimiliano Mancini (University of Trento), at the Department of Informatics, Systems and Communication (DISCo) University of Milano-Bicocca

2024 Contact person and organizer of the seminar “Meeting with NVIDIA (NVAITC & Research)”, Dr. Andrea Pilzer (Solutions Architect, NVIDIA) and Dr. Iuri Frosio (Principal Research Scientist, NVIDIA), at the Department of Informatics, Systems and Communication (DISCo) University of Milano-Bicocca

2021 Moderator for the Virtual London Machine Learning Meetup event - Dr. Anna Rogers - “BERTology nuggets: what we have learned about how BERT works”

2018 - 2021 Participated with contributions at the Finnish AI day, the biggest annual event highlighting the frontrunner AI research in Finland

2019 Participated at the SLUSH event in Helsinki, the world’s leading startup and tech event

2017 Member of the winning team of the Fake News Alert Challenge-Global AI Hackathon Rome, prize € 2,000.00

2017 Invited to participate in the Google Natural Language Processing (NLP) Summit at the Google Zurich headquarters

2017 Attended the International Summer School on Deep Learning (DeepLearn) in Bilbao

2015 Attended the Lisbon Machine Learning School (LXMLS)

2015 Invited to participate in the Google Natural Language Processing (NLP) Summit at the Google Zurich headquarters

*Autorizzo il trattamento dei miei dati personali presenti ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali” e dell’art. 13 del GDPR (Regolamento UE 2016/679).*

Milano,  
13 Dicembre 2025

Alessandro Raganato