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## Lectures on Computational Linguistics 2025

Milan, June 18-20, 2025, Università Cattolica del Sacro Cuore, Milan

ROOMS: Giovanni XXIII (G013) [lectures] and Pio XII (G012) [poster area], Monumental Building.

Supported by:



T he Lectures on Computational Linguistics is a scientific event organized by the Italian Association for Computational Linguistics (AILC), focusing on key topics in this research area.

The 2025 edition is organized not only by AILC but also by the Department of Linguistic Sciences and Foreign Literatures at Università Cattolica del Sacro Cuore, Milan, and the Department of Informatics, Systems, and Communication at the University of Milano-Bicocca.

The interdisciplinary nature of the school spans two main areas: humanities, focusing on linguistic resource creation, and computer science, particularly concerning large language models. The program will include tutorials, workshops, and evening seminars that will address significant challenges in the field.

The school primarily targets PhD and Master's students, though no minimum academic qualification is required to attend. **Participation is free of charge but subject to registration.**

Student presentations
Participants are invited to present their research during two "Student Sessions". To apply, students must submit an abstract of no more than 500 words in English to ailc.lectures@gmail.com **by May 10, 2025** (3 min. + poster).

Submissions will be reviewed by a committee, and notifications will be sent by **May 20, 2025**.

## Program

June 18th 2025: Linguistic Linked Open Data

- 9:00– 9:30: Welcome and opening
- 9:30 – 11:30: Tutorial 1 – *Fundamentals of Linguistic Linked Open Data* – **Jorge Gracia**, University of Zaragoza
- 11:30 – 12:00: BREAK
- 12:00 – 13:30: Student session
- 13:30 – 15:00: LUNCH
- 15:00 – 17:00: Tutorial 2 – *Advanced Topics of Linguistic Linked Open Data* – **Max Ionov**, University of Cologne
- 17:00 – 17:30: BREAK
- 17:30 – 18:30: Evening lecture – *LiLa Now: Lessons Learned and the Road Ahead for a Large-Scale Linguistic Linked Data Project* – **Francesco Mambrini**, Università Cattolica del Sacro Cuore, Milan
- 19:00: Welcome drink

June 19th 2025: Neuro-symbolic AI

- 9:00 – 11:00: Tutorial 3 – –*Beyond Naive RAG: How Entities and Graphs Enhance Retrieval-Augmented Generation* – **Matteo Palmonari**, University of Milano-Bicocca
- 11:00 – 11:30: BREAK
- 11:30 – 13:30: Lab. 1 (part 1) – *Retrieval Augmented Generation, Large Language Models and Knowledge Bases* – **Marco Cremaschi**, University of Milano-Bicocca
- 13:30 – 15:00: LUNCH
- 15:00 – 17:00: Lab. 1 (part 2) – *Evaluating Large Language Models for Linguistic Linked Data Generation* – **Blerina Spahiu**, University of Milano-Bicocca
- 17:00 – 17:30: BREAK
- 17:30 – 18:30: Evening lecture – *Memorization or Generalization? Exploring Transformer-based Large Language Models and, possibly, novel approaches* – **Fabio Massimo Zanzotto**, University of Roma Tor Vergata

June 20th 2025: Resources and Evaluation

- 9:00 – 11:00: Tutorial 4 – *From Corpora to Capabilities: Rethinking Language Resources in the LLM Era* – **Zheng Yuan**, University of Sheffield
- 11:00 – 11:30: BREAK
- 11:30 – 13:00: Student session
- 13:00 – 14:00: LUNCH
- 14:00 – 16:00: Lab 2 – *The LiLa Knowledge Base: Hands-on Session* – **Eleonora Litta and Federica Iurescia**, Università Cattolica del Sacro Cuore, Milano

## Registrazione

The school primarily targets PhD and Master's students, but it is open to anyone interested.
Participation is free of charge but subject to registration >

## Scientific Committee

**Pierpaolo Basile** (University of Bari Aldo Moro)
**Raffaella Bernardi** (University of Trento)
**Tommaso Caselli** (University of Groningen)
**Elisabetta Fersini** (University of Milano-Bicocca)
**Elisabetta Jezek** (University of Pavia)

## Local Organizing Committee

**Marco Passarotti** (Università Cattolica del Sacro Cuore di Milano)
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## Scretariat

Contact: ailc.lectures@gmail.com

**Supported by the Future Artificial Intelligence Research (FAIR) project:**

AILC | Associazione Italiana di Linguistica Computazionale

AILC è un'associazione senza fini di lucro, che promuove e diffonde la ricerca nel campo della Linguistica Computazionale.

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