

NL4AI 2023



7TH WORKSHOP ON NATURAL LANGUAGE FOR ARTIFICIAL INTELLIGENCE, CO-LOCATED WITH THE 22ST AIXIA CONFERENCE
NOVEMBER 6-7TH 2023, UNIVERSITY OF ROME, ITALY

Organizers

Elisa Bassignana, IT University of Copenhagen

Dominique Brunato, Institute for Computational Linguistics “A. Zampolli” (CNR-ILC)

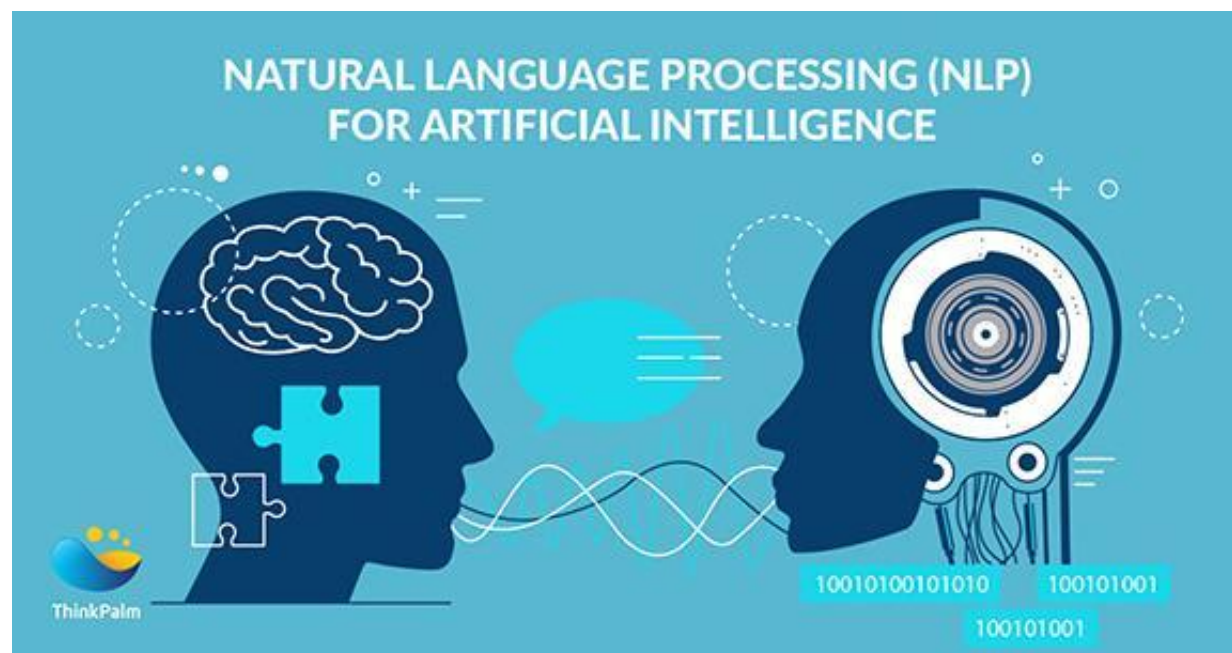
Marco Polignano, University of Bari Aldo Moro

Alan Ramponi, Fondazione Bruno Kessler



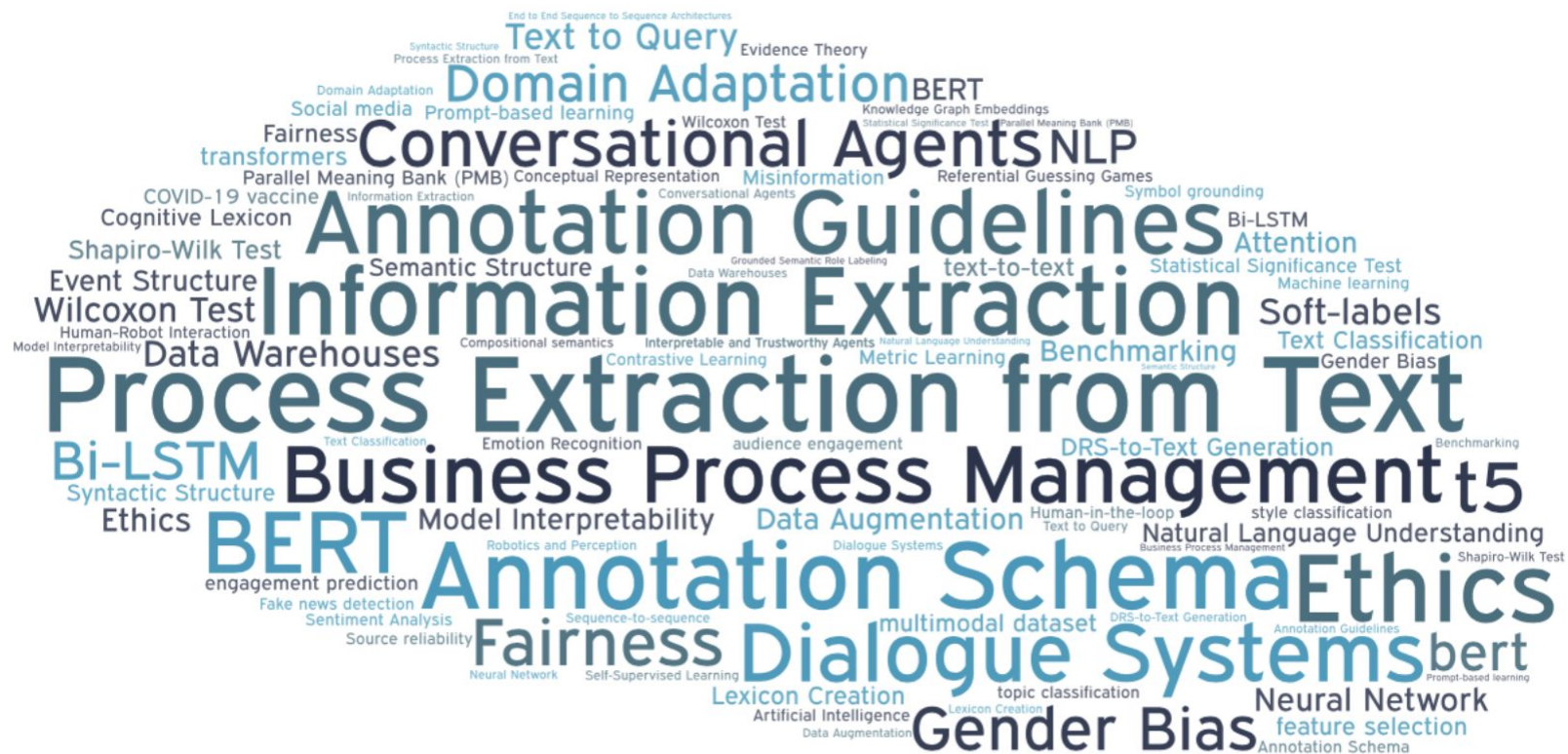
WORKSHOP GOALS

- The goal of the NL4AI workshop is to explore the area situated at the intersection between **Natural Language Processing** and **Artificial Intelligence**
- The workshop aims at providing a broad overview of recent activities in both fields **not only in Italy**



TOPICS IN 2022 EDITION

- Applied NLP
- Conversational AI
- NLP and Structured Languages
- Challenges of NLP



SOME STATISTICS

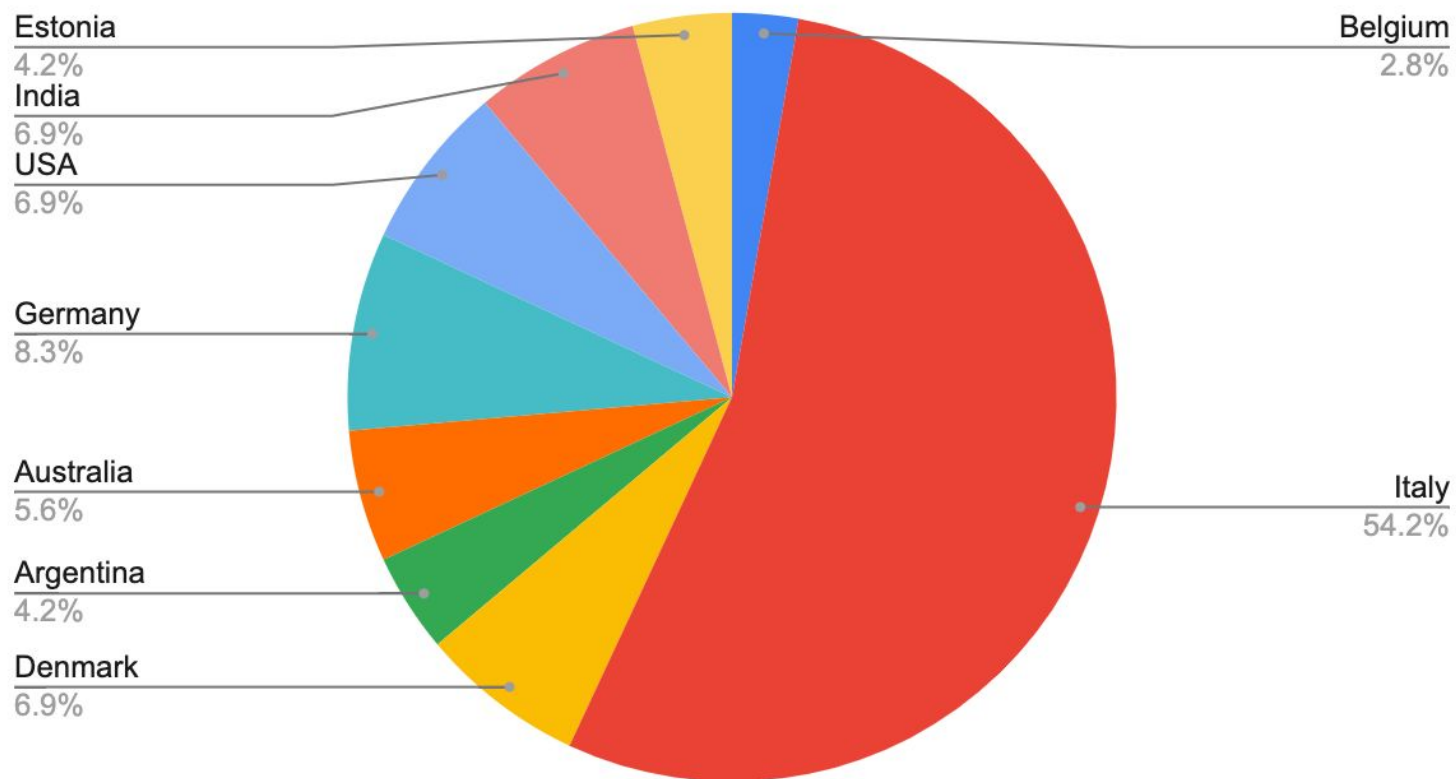
- Topics from pure NLP works to broader proposals bridging NLP with other AI applications
- **23 submissions**
 - 2 peer reviews per paper
- **18 accepted papers**
 - 14 regular, 4 short
- **Proceedings on CEUR**
 - **Coming Very Soon!**



35% increase compared to last year

SOME STATISTICS

Countries Distribution



Notably, this edition exhibited a growing **international presence**, featuring contributions from authors representing **9 countries**

The submissions also reflect a diversity of languages (e.g., English, French, Italian) and modalities (e.g., text, vision), underscoring the workshop's commitment to inclusivity and comprehensive exploration.

SOME STATISTICS

- 2 **AMAZING INVITED TALKS** with different perspectives on **Large Language Models!**
- 4 SESSIONS of RESEARCH PAPERS
 - time for questions and discussion with participants!
- 1 **DISCUSSION PANEL** among **AUTHORS** of **OUTSTANDING PAPERS**



SOME STATISTICS

- WE EXPECT MORE THAN 80 PARTICIPANTS! In presence or remotely!

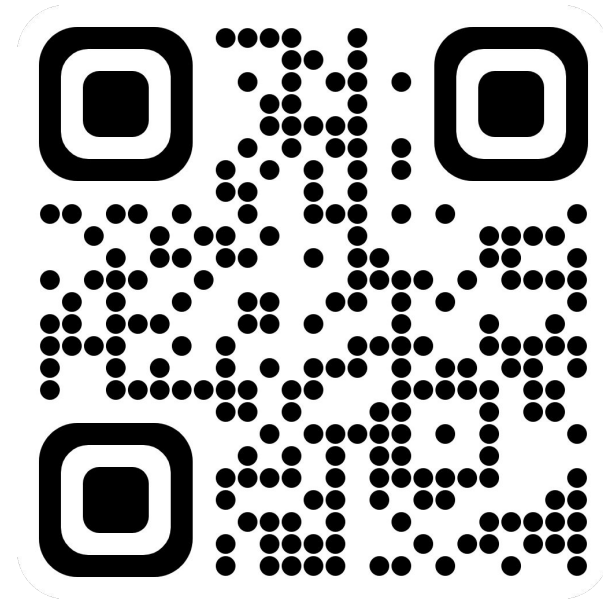
DAY I

<https://t.ly/etAkT>



DAY II

<https://t.ly/XJH2k>



WORKSHOP PROGRAM

<http://sag.art.uniroma2.it/nl4ai/workshop-program-4/>

DAY I – 6th November 2023

- 14:00-14:15 – Welcome to NL4AI 2023
- 14:15-15:00 – **Invited talk: Raffaella Bernardi**
- 15:00-16:00 – Session I: **Novel Directions of NLP**
- 16:00-16:30 – Coffee Break
- 16:30-18:00 – Session II: **Authorship, Sentiment, and Ideology in NLP**

- 19:00 – late: **Welcome Reception**



Prof.ssa Raffaella Bernardi

Associate Professor at University of Trento, Italy

“The interplay between language generation and reasoning: Information Seeking games”

WORKSHOP PROGRAM

<http://sag.art.uniroma2.it/nl4ai/workshop-program-4/>

DAY II – 7th November 2023

- 11:00-11:15 – Welcome back to NL4AI 2023!
- 11:15-12:00 – Invited talk: **Christos Christodoulopoulos**
- 12:00-13:00 – Session III: **Applied NLP**
- 13:00-14:00 – Lunch Break
- 14:00-15:20 – Session IV: **LLMs Outstanding Papers**
- 15:20-15:40 – **Panel and Open Discussion**
- 15:40-16:00 – **Closing, Final Remarks, Feedback**



Dr. Christos Christodoulopoulos

Senior Applied Scientist at Amazon, UK

“Responsible AI in the era of Large Language Models”

THANKS TO

- All the participants
- AlxIA and AILC



- **All the PC Members**

Lucia Siciliani
Giuseppe Attardi
Franco Alberto Cardillo
Teresa Paccosi
Roberto Pirrone
Nicolò Penzo
Alessandro Lenci

Danilo Croce
Giuseppe Attanasio
Pierluigi Cassotti
Stefano Menini
Camilla Casula
Elisa Leonardelli
Marco Rovera

Alessandro Bondielli
Alessio Miaschi
Pietro Dell'Oglio
Alessio Palmero Aprosio
Rachele Sprugnoli
Valerio Basile
Elena Cabrio

Pierpaolo Basile
...

Let's!
Start

***"Imagine the future of AI, Natural Language Processing and Large Language Models.
Use your imagination and creativity!"***

