



# Programme Booklet

LREC-COLING 2024 is organized by

**elra**

Language Resource Association

**ICCL**

International  
Committee on  
Computational  
Linguistics

With the support of:



turismo  
**Torino**  
e  
provincia  
Convention Bureau



UNIVERSITÀ  
DI TORINO

## Programme at a glance

(click the links to access the detailed programme)

On-site registration from 8:00

DAY 1		
LREC-COLING 2024 - Wednesday, May 22 <sup>nd</sup> , 2024		
	Lingotto Centro Congressi	Lingotto Fiere (Padiglione 1)
9:00 • 10:40	<b>Opening Session</b> <i>Auditorium G. Agnelli + Broadcast to other rooms</i>	
10:40 • 11:00	Coffee Break	
11:00 • 12:40	6 Oral Sessions	5 Poster Sessions
12:40 • 13:20	Remote Sessions	
Lunch 13:20 • 14:40		
14:40 • 15:40	<b>Keynote Speaker 1:</b> Roger Levy Chair: Veronique Hoste <i>Auditorium G. Agnelli + Broadcast to other rooms</i>	
15:50 • 17:10	6 Oral Sessions	5 Poster Sessions
17:10 • 17:30	Coffee break	Coffee break
17:30 • 19:10	6 Oral Sessions	5 Poster Sessions
19:30 • 20:00	<b>ELRA Members Meeting</b>	
20:00 • 22:00		<b>Welcome Reception</b>
DAY 2		
LREC-COLING 2024 – Thursday, May 23 <sup>rd</sup> , 2024		
	Lingotto Centro Congressi	Lingotto Fiere (Padiglione 1)
9:00 • 10:40	5 Oral Sessions and Industrial Track	5 Poster Sessions
10:40 • 11:00	Coffee Break	Coffee Break
11:00 • 12:40	5 Oral Sessions and Industrial Track	5 Poster Sessions
12 :40 • 13:20	<b>Antonio Zampolli Prize Talk</b> Chair: Nicoletta Calzolari <i>Auditorium G. Agnelli + Broadcast to other rooms</i>	
Lunch 13:20 • 14:40		
14:40 • 15:20	<b>Invited Local Talk:</b> Michele Loporcaro Chair: Alessandro Lenci <i>Auditorium G. Agnelli + Broadcast to other rooms</i>	
15:30 • 17:10	5 Oral Sessions and Industry Track	5 Poster Sessions
17:10 • 17:30	Coffee break	Coffee break
17:30 • 19:10	6 Oral Sessions	5 Poster Sessions
DAY 3		
LREC-COLING 2024 - Friday, May 24 <sup>th</sup> , 2024		
	Lingotto Centro Congressi	Lingotto Fiere (Padiglione 1)
9:00 • 10:40	6 Oral Sessions	5 Poster Sessions
10:40 • 11:00	Coffee Break	
11:00 • 12:40	6 Oral Sessions	5 Poster Sessions
12:40 • 13:20	Remote Sessions	
Lunch 13:20 • 14:40		
14:40 • 15:40	<b>Keynote Speaker 2:</b> Li Juanzi Chair: Nianwen Xue <i>Auditorium G. Agnelli + Broadcast to other rooms</i>	
15:50 • 17:10	6 Oral Sessions •	5 Poster Sessions
17:10 • 17:30	Coffee break	Coffee break
17:30 • 18:50	Closing Session	
20:00	<b>Gala Dinner at OGR</b>	

# LREC-COLING 2024 Sponsors

ELRA Language Resources Association, ICCL and all the LREC-COLING 2024 chairs acknowledge with gratitude the support and sponsoring of the following institutions.

<b>Sponsors</b>	<b>Level</b>
<b>Baidu</b>	Gold
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<b>Amazon Science</b>	Bronze
<b>JDT</b>	Bronze
<b>AiXplain</b>	Bronze
<b>Aequa-tech</b>	Bronze
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<b>Talia</b>	Bronze
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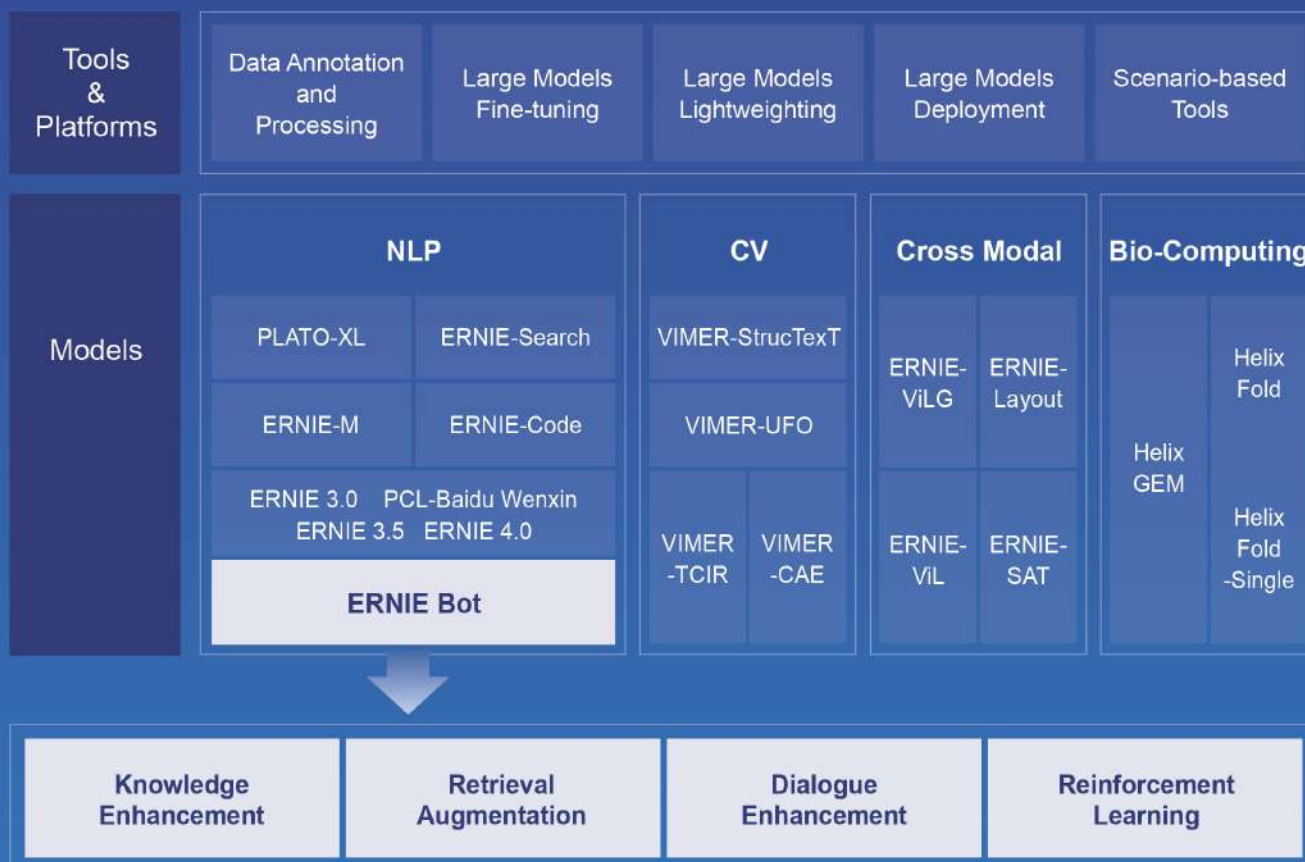
## Supporting Institutions

Evaluations and Language resources Distribution Agency (ELDA), Paris (France)
Istituto di Linguistica Computazionale (ILC) of the Italian National Research Council (CNR), Pisa (Italy)
The University of Torino (Italy)
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# BAIDU WENXIN

A series of knowledge-enhanced large models, from general-purpose to industry-specific, independently developed by Baidu, speed up AI innovations and empower the industry to upgrade.

## ERNIE Knowledge - Enhanced Large Models



An illustration showcasing one of our Wenxin products, which leverages external tools to answer the query: "What fruits are in season now? Introduce them separately and draw me 3 of them."

现在的季节有哪些应季的水果？分别介绍一下，给我画3种

思考和行动过程 ^

ERNIE Bot iteratively invokes web searching tools to retrieve the current date and identify fruits in season. Subsequently, it employs our AI-painting tool to create illustrations.

使用工具：高级联网

2024年04月01日 日历 - 20...	春季水果有哪些?_民福康
<a href="https://wannianrili.bmcx.co...">https://wannianrili.bmcx.co...</a>	<a href="https://mip.mfk.com/ask/37...">https://mip.mfk.com/ask/37...</a>
春天都有什么水果成熟-有来...	春天都有什么水果成熟-有来...
<a href="https://m.youlai.cn/askdzml...">https://m.youlai.cn/askdzml...</a>	<a href="http://www.xiaohua8.com/jl...">http://www.xiaohua8.com/jl...</a>

使用工具：AI绘图

画图指令：春季时令水果草莓的画像，数量 1 张

使用工具：AI绘图

画图指令：春季时令水果樱桃的画像，数量 1 张

使用工具：AI绘图

画图指令：春季时令水果枇杷的画像，数量 1 张

思考完成：准备输出结果

当前是春季，春季的时令水果有草莓、樱桃、枇杷等。这些水果不仅口感鲜美，而且营养丰富，是春季养生的好选择。下面为您介绍这三种水果并展示画像：

*It is spring now. we can find strawberries, cherries, loquat fruits and other spring fruits in season. They are tasty and nutritious. You can try adding them to your healthy food shopping list. More details are illustrated below.*

- 草莓：草莓是春季的代表性水果之一，其鲜红的色彩和甜美的口感深受人们喜爱。草莓富含维生素C和多种抗氧化物质，有助于增强免疫力、延缓衰老。



*1. Strawberries: Strawberries are classic spring fruits, deeply loved by people for their bright red color and sweet taste. They are rich in vitamin C and various antioxidants that help strengthen your immune system and delay aging.*

- 樱桃：樱桃也是春季的时令水果，它的外形小巧可爱，色泽鲜艳，口感酸甜可口。樱桃富含铁元素和维生素A，有助于补血养颜、增强视力。

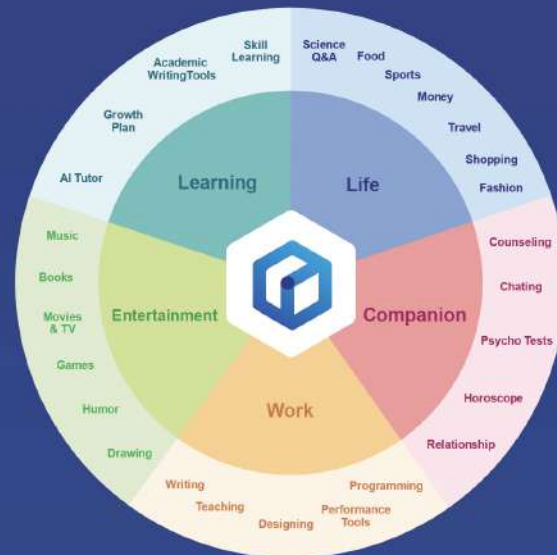


*2. Cherries: Cherries are also classic spring fruits with small and adorable shape, bright color, and delightful sweet and sour taste. They are rich in iron and vitamin A that are good for blood, skin and eyes.*

- 枇杷：枇杷是春季的另一种美味的水果，它的果肉柔软多汁，口感清甜。枇杷具有润肺止咳、美容养颜的功效，适合春季干燥的气候食用。



*3. Loquat fruits: Loquat fruits are soft and juicy with a refreshing and sweet taste. They are good for lungs and skin, suitable for consumption in dry climates.*



WeChat Official Account

# DATAFORCE

BY TRANSPERFECT

[ DATA COLLECTION AND ANNOTATION POWERING GEN AI INPUT AND OUTPUT ]

HIGH-QUALITY DATA FOR SPEECH, TEXT AND IMAGE

- Prompt & Answer Creation for LLM Training
- LLM Output Evaluation
- Customised Recordings for Input (ASR) and Output (TTS)
- Speech Transcription
- Annotation with Meta Data
- Onsite Data Collection through User Studies
- On Demand Linguistic Support

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# Bloomberg Engineering

Bloomberg is building the world's most trusted information network for financial professionals. Our 9,000+ engineers, developers, and data scientists are dedicated to advancing and building new solutions and systems for the Bloomberg Terminal and other products in order to solve complex, real-world problems. Improving search and discovery of relevant content, functionality, and insights are critical focus areas for Bloomberg. To this end, we use Machine Learning, Deep Learning, Natural Language Processing, Information Retrieval, and Knowledge Graph technology across Bloomberg.

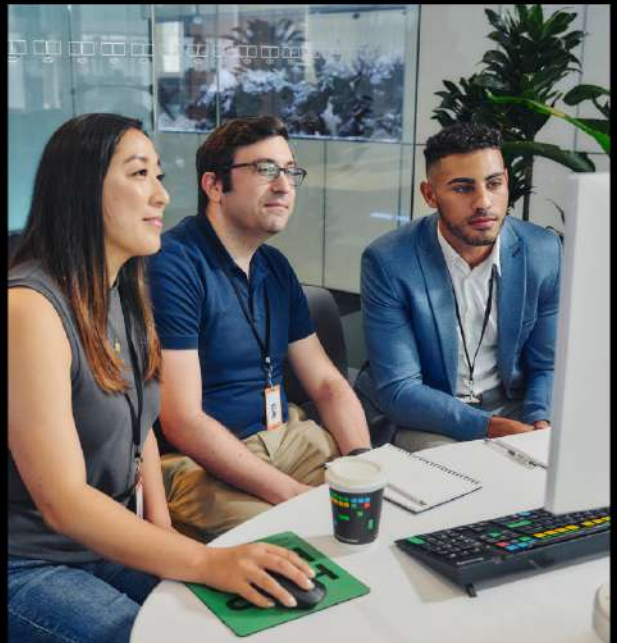
For more information:



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# Bloomberg

Engineering



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**Intesa Sanpaolo** is Italy's leading banking group – serving families, businesses and the real economy – with a significant international presence. Intesa Sanpaolo's distinctive business model makes it a European leader in Wealth Management, Protection & Advisory, highly focused on digital and fintech, in particular with Isybank, the Group's digital bank. An efficient and resilient Bank, it benefits from its wholly-owned product factories in asset management and insurance. The Group's strong ESG commitment includes providing €115 billion in impact lending by 2025 to communities and for the green transition, and €500 million in contributions to support people most in need, positioning Intesa Sanpaolo as a world leader in terms of social impact. Intesa Sanpaolo is committed to Net Zero by 2030 for its own emissions and by 2050 for its loan and investment portfolios. An engaged patron of Italian culture, Intesa Sanpaolo has created its own network of museums, the Gallerie d'Italia, to host the bank's artistic heritage and as a venue for prestigious cultural projects.

[www.group.intesasanpaolo.com/en/](http://www.group.intesasanpaolo.com/en/)

*April 2024*





## Company Presentation

aequa-tech is an innovative start-up formed by a group of NLP researchers, enthusiasts about technology and with a great sensitivity towards social issues, digital disparity and fairness in AI.

In the age of the industrial technological revolution, Artificial Intelligence and NLP products are still exclusive tools used by few. Only a limited number of large companies have the resources at their disposal to invest in effective NLP solutions. We introduce ourselves in this context by proposing a special focus on people who are often ignored by the AI world and who are most discriminated against in the digital environment. We pay special attention to the richness generated by diversity not only in the development process of our automated systems but also in their purposes of real impact, to improve the quality of life of workers by ensuring a safe and inclusive space.

Our first product is **Debunker Assistant (D-A)** an application that allows users and newspapers to assess the trustworthiness of a news item starting from its headline, body of text, and URL. The D-A adapts ideas from Natural Language Processing and Network Science to counter the spread of online misinformation. Its centerpiece is a set of *News Misinformation Indicators* based on linguistically engineered features, models, and network analysis metrics (*Echo Effect*, *Alarm Bell*, *Sensationalism*, and *Reliability*).

At aequa-tech, we firmly believe in the enduring value of manual data labeling in NLP, and we're excited to introduce a platform that aligns with this conviction. Our open-source **Annotation Platform** is not only fast and light, but also completely free to use, ensuring accessibility for all researchers, developers, and students in the field. We aim to create a platform that meets the diverse needs of NLP projects and beyond. Soon we will be launching our beta version, inviting users to join us in shaping the future of data annotation.

Whether you're an expert or just starting out in NLP, don't miss out!

Be the first one to try it!

<https://aequa-tech.com/landing/annotation-platform/>

# aiXplain



Build, diagnose, and improve AI systems  
**continuously, efficiently, and effortlessly!**

aiXplain helps you create and maintain AI systems easily. You can design your own AI pipeline, benchmark your own model against others, monetize your own datasets, and accomplish much more with little to no effort.

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We are developing



**Velvet**

by Almawave

Open source, multilingual, multimodal  
**Italian Large Language Model**

Let's build the future of AI together: [curriculum@almawave.it](mailto:curriculum@almawave.it)



Aptus.AI is the Italian startup that combines Artificial Intelligence with legal expertise to make law digitally accessible and transform the way humans access regulations. This innovative company created an AI patented technology that generates machine readable versions of legal documents, which are the key to revolutionize regulatory analysis and change management processes.

Aptus.AI's regulatory format contains a unique level of data granularity, providing a fundamental information detail to recognize the business impacts of each regulatory update. As a result, Aptus.AI's SaaS solution can count on a unique regulatory database, where more than 20.000 regulatory sources are indexed.

This software automates the collection and the analysis of regulatory updates from various sources and formats, making any regulation easily accessible within a unique platform updated in real-time.

This SaaS allows compliance professionals to analyze regulations before they are officially published, so that they can prepare in advance for the entry into force of the regulation. It also identifies risk areas, in relation to each company's internal regulations, and assesses the impact of regulatory changes on internal procedures and policies

In addition, Aptus.AI offers a conversational interface based on Generative AI technologies, which allows users to interact directly with the legal content, thus simplifying the retrieval of essential information and eliminating time-consuming activities and error-prone operations. This service allows its users to receive instantaneously the legal information they need, instead of collecting them through slow, time-consuming and error-prone processes.

# JDT 京东科技

JD Technology (JDT) is a business group under JD.com with a focus on serving governmental and corporate clients through technology. It is committed to providing technological products and services with a root in the whole value chain to governments, enterprises, financial institutions, and other clients. Based on cutting-edge technologies such as AI, cloud computing, big data, and IoT, and drawing on the experience in the supply chain accumulated by JD, JDT has grown into a provider that has the best industry know-how, providing clients with digital and intelligent solutions based on the supply chain.

Among over 10,000 employees at JDT, more than 70% are R&D and professional personnel, among whom several are IEEE fellows with more than 40 top global scientists. Playing the role of the driving force to JDT's R&D, JD Explore Academy has made continued efforts in frontier theoretical research and innovation fields. By the beginning of 2022, JD.com has applied for a total of 4,635 patents and published nearly 500 articles at AAAI, IJCAI, CVPR, KDD, NeurIPS, ICML, ACL, ICASSP and other top technology events in the world. It has won 25 top laureates globally in numerous international academic competitions .

Born out of in-depth understanding of and insight into the supply chain and industries, JDT has become a digital and intelligent enterprise profoundly integrating technology innovation and the real economy and the industry. It originates from breakthroughs in innovation of Internet-based technologies and is nurtured by its services and values created for the real economy.



**Talia is a spin-off company of CNR ILC ('A. Zampolli' Institute of Computational Linguistics) and GruppoMeta; among the first computational linguistic spin off to work directly with commercial clients. It combines the experience of CNR- ILC, the international standard in the development of technologies, products and services for automatic language processing, with the know-how of GruppoMeta, a leading software house.**

Talia.cloud is the ecosystem of applications developed by Talia that uses **artificial intelligence** and **automatic language processing** to transform texts into data and knowledge. It provides developers, system integrators, companies and public administration with tools and services for integration with any application: text editors, e-learning platforms, CRM, knowledge discoveries, cataloguing software and document management systems. It enables **automatic analysis** of vast amounts of text -documents, texts, archives- during the management, interpretation, authoring and writing phases.

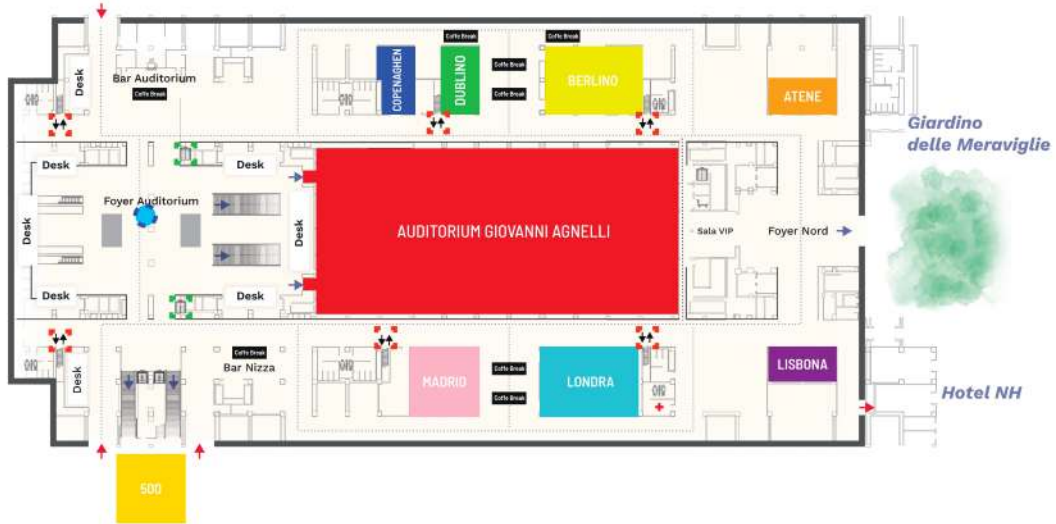
Talia solutions are delivered with a **SaaS (software as a service)** approach to maximise efficiency, remote access to services, scalability and security, and optimise investments.

**Info:**

info@talía.cloud <https://talía.cloud/>

# LREC-COLING 2024

## FIRST FLOOR



- |  |              |  |                             |  |              |  |                 |
|--|--------------|--|-----------------------------|--|--------------|--|-----------------|
|  | YOU ARE HERE |  | AUDITORIUM GIOVANNI AGNELLI |  | LONDRA ROOM  |  | BERLINO ROOM    |
|  | STAIRS       |  | 500 ROOM                    |  | LISBONA ROOM |  | DUBLINO ROOM    |
|  | ELEVATORS    |  | MADRID ROOM                 |  | ATENE ROOM   |  | COPENAGHEN ROOM |

## SECOND FLOOR



- |  |                |  |               |  |             |
|--|----------------|--|---------------|--|-------------|
|  | ISTANBUL ROOM  |  | ROMA ROOM     |  | SOFIA ROOM  |
|  | OSLO ROOM      |  | PARIGI ROOM   |  | PRAGA ROOM  |
|  | BRUXELLES ROOM |  | VARSAVIA ROOM |  | VIENNA ROOM |