

**Welcome to**

**The 3rd Workshop on Eye  
Movements and the Assessment of  
Reading Comprehension**

**June 5–7, 2025 @ University of Stuttgart**

# Organizers



**Titus von der Malsburg**

Institute of Linguistics, University of  
Stuttgart, Germany



**Lena Jäger**

Department of Computational  
Linguistics, University of Zurich,  
Switzerland



**Yevgeni Berzak**

Technion Faculty of Data and Decision  
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**Anna Bondar**

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# Stuttgart



- ▶ Capital of federal state of Baden-Württemberg
- ▶ Birthplace of the car, tram, motorcycle, the spark plug.
- ▶ Dating back to the 10th century as a stud farm ("Stuotgarten")
- ▶ Birthplace and headquarters of industry giants such as Mercedes-Benz, Porsche, Bosch.

# University of Stuttgart



- ▶ Founded in 1829 as a trade school in the kingdom of Württemberg
- ▶ Today a leading technical research university in Germany
- ▶ Close industry partnerships with companies like Mercedes Benz, Bosch, Porsche
- ▶ Architectural innovation: World's first reinforced concrete television tower (216m), prototype for many other such structures (Fritz Leonhardt)
- ▶ World's first chair for aeronautical engineering

# Eulenhof

Former home of the actual rocket scientist Eugen Sänger, director of the Jet Propulsion Research Institute in Stuttgart in the 1960ies.



Launch vehicle Sänger II

# Workshop history and goals

- ▶ 2023, Zurich: Small invitation-only workshop
- ▶ 2024, Zurich: First public workshop with abstract submissions
- ▶ 2025, Stuttgart

**Short-term goal:** Bring together experts from different communities (from NLP to educational science), to build new connections, and lay the foundations for more productive and sustainable interdisciplinary research.

**Longer-term goal:** Better methods for assessing reading comprehension in real-world educational and clinical settings.

# Webpage

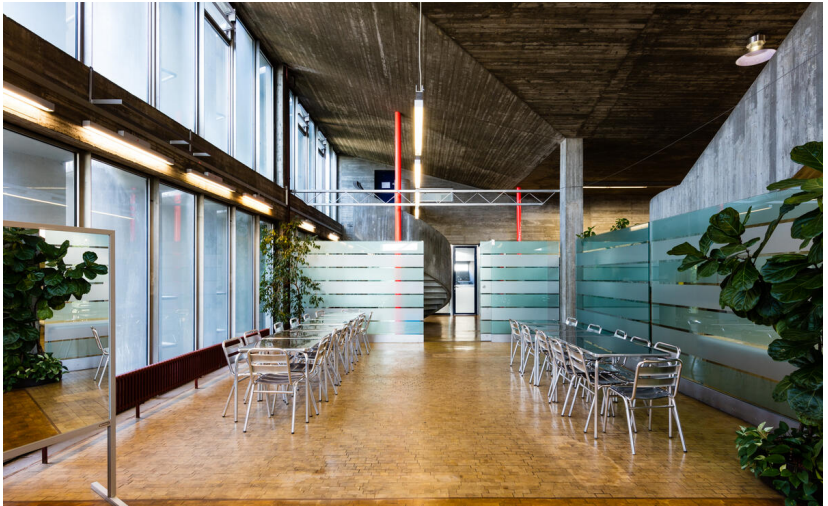
Please bookmark the webpage now!



→ <https://tmalsburg.github.io/ComprehensionWorkshop>

# Lunch at Mensa

- ▶ Webpage
- ▶ Menu
- ▶ Directions
- ▶ Cheap, pay in cash.



# Food trucks next to Mensa

► Offerings change daily.

► [Directions](#)



# Lunch at Taverna Elia

- ▶ Greek, meat- and seafood-oriented, some vegetarian options, too.
- ▶ Webpage and menu
- ▶ Directions



# BBQ today

- ▶ Garden / courtyard of Eulenhof
- ▶ It's free!
- ▶ Vegetarian and vegan options
- ▶ 17:00 – 19:30



# Group photo

We'll take a group photo at 17:00 today before the start of the BBQ.

# Social event: Sunny version



Meet at **Solitude Palace**, then take a walk through the woods to **Bärenschlössle** (~50min). After lunch and some time off, we'll stroll together to the bus stop (~30min), and take the bus back to the city center. Timeline: 10:30 – 16:30.

Who would like to participate?

# Social event: Rainy version



We will explore Stuttgart's cultural side: Visit **Staatsgalerie**, one of Germany's leading art museums, followed by coffee, craft beer, tacos, Käsespätzle, ... at nearby café / bar **Tempus**. Timeline: 10:30 – 15:00.

Who would like to participate?

# Poster sessions

- ▶ Poster session 1, Thursday, 15:00-16:00
- ▶ Poster session 2, Friday, 15:00-16:00

You can hang up your posters on the prepared poster walls in the morning and take them down at the end of the day. Pins and tape will be provided.

Please use all available spaces in the building to put up your posters, including the lecture room (but not the coffee room).

# Signatures for COST lists

- ▶ Please sign the list for today!
- ▶ If you participate in the social event tomorrow, you'll have to sign tomorrow as well.

# Reimbursement procedure (e-COST)

- ▶ All the reimbursements are processed through the e-COST platform.
- ▶ After the event all the reimbursed participants will receive an email with the link to the reimbursement claim.
- ▶ If you have questions, please contact Anna Bondar [anna.bondar@uzh.ch](mailto:anna.bondar@uzh.ch).

## Useful links:

- ▶ [Cost action platform](#)
- ▶ [Travel reimbursement rules](#)
- ▶ [Claim submission quick guide](#)

# Related MultiEYE event 1:

## **Gaze4NLP: The First International Workshop on Gaze Data and Natural Language Processing**

Exploring the Intersection of Eye Tracking and Natural Language Processing

Varna, Bulgaria • September 11–13 | 2025

<https://gaze4nlp.github.io/Gaze4NLP2025>

The Gaze4NLP 2025 workshop aims to bring together researchers and practitioners working at the intersection of eye tracking and natural language processing. By integrating eye movement data with NLP models, we can enhance our understanding of human language processing and improve NLP applications.

Co-organized by Jamal Nasir.

# Related MultipleYE event 2:

## **Computational Psycholinguistics Meeting**

Utrecht, Netherlands • December 18–19 | 2025

<https://cpl2025.sites.uu.nl>

This meeting aims to provide a dedicated platform for researchers and practitioners to discuss computational models that explain and predict human behavior in psycholinguistic experiments, bring together experts from different subfields to advance our understanding of language processing mechanisms, and analyze the successes and limitations of different modeling approaches.

Co-organized by Lena Jäger.

# Funding

The workshop is funded by:



Universität Stuttgart



Funded by  
the European Union

# Invited talk 1: Prof. Dr. Lisa Beinborn



- ▶ Professor for *Human-Centered Data Science*, University of Göttingen
- ▶ PhD Computer Science, Technical University of Darmstadt; MSc & BSc Computational Linguistics, Saarland University
- ▶ Her interdisciplinary research focuses on cognitively inspired NLP and multilingual models.
- ▶ “How do language models process language and how is that different from humans?”

# Invited talk 2: Prof. Dr. Johanna Kaakinen



- ▶ Professor for Psychology at the Department of Psychology and Speech-Language Pathology, University of Turku, Finland
- ▶ Visiting professor, INSEAD Fontainebleau, France; Postdoc at Florida State University
- ▶ Research: Cognitive psychology, reading comprehension, eye movements, individual differences, task effects, working memory, processing of written irony, children's eye movements, . . .

# Invited talk 3: Prof. Dr. Andreas Bulling



- ▶ Director Collaborative Artificial Intelligence group @ Uni Stuttgart
- ▶ PhD in Information Technology and Electrical Engineering, ETH Zurich
- ▶ Previously at Cambridge, University, Saarland University, Max Planck
- ▶ Ranked top 2% HCI scientists in the world, 1% in Human Factors worldwide
- ▶ Research: Development of computational methods to analyze and model human eye movements for understanding human cognitive states and improving human-computer interaction.

# Invited talk 4: Prof. Dr. Maja Stegenwallner-Schütz



- ▶ Prof. of Special Education/Language Development, U of Koblenz
- ▶ PhD in Cognitive Science, U of Potsdam
- ▶ Visiting prof at Humboldt-University Berlin and U of Potsdam; postdoc Dept. Inclusive Education and Institute of Computer Science, U of Potsdam
- ▶ Research: Cognitive and linguistic processes underlying reading comprehension in children, especially those with language impairments or developmental disorders.

End of slides.