The Human Side of Infrastructure

Digital Research Infrastructure for the Arts and Humanities DARIAH-PL at Adam Mickiewicz University, Poznan

Key team members

Katarzyna Klessa – Head of the project at AMU (*Dariah.lab*), member of the Multimodal Communication team (MultiCo) and the Music Lab Linguomusa team; multimodal corpora management

Brygida Sawicka-Stępińska – Head of the project at AMU (*Dariah.hub*), member of the Multimodal Communication (MultiCo) and Linguomusa teams

Krzysztof Jassem – Coordinator of the module for automatic text analysis software, automatic text processing, normalization, and search

Anna Jelec – Coordinator of the module for the collection and analysis of interpreters' handwritten notes (HANOI).

Maciej Karpiński – Coordinator of the Multimodal Communication (MultiCo) laboratory & sofware tools module.

Kamila Kłudkiewicz – Coordinator of the module for the Audiovisual Archive at the Faculty of Art Studies.

**Piotr Podlipniak** – Coordinator of the module for the Linguomusa Music Lab.

Mirosław Wobalis – Coordinator of the Philological Hub module.

What We Help Make Possible

- **Problem**: some of the most meaningful **data can't be scraped, automatically generated, simulated processed**, human intervention is needed
- **We help** researchers and other user groups representing e.g. culture, health, and the arts by **creating & exploring such data**
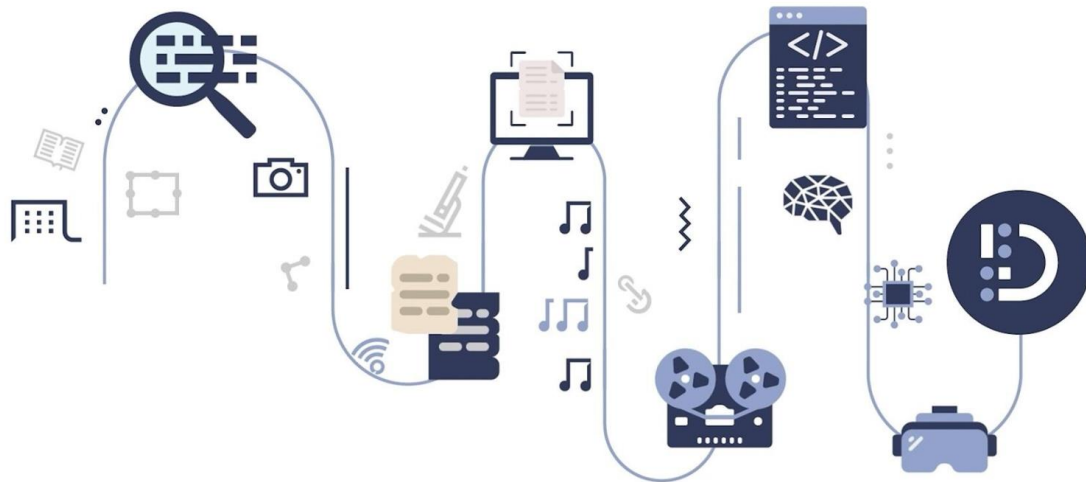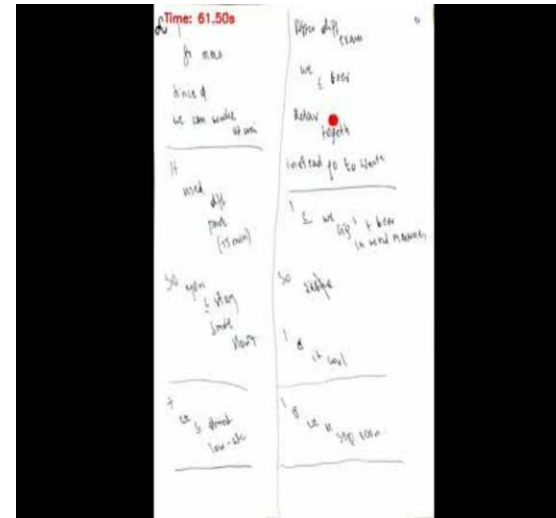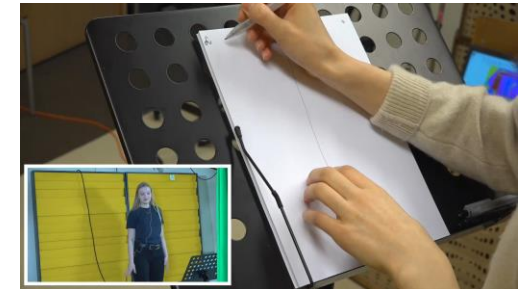
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Handwritten Notes Of Interpreters

- Interpreters develop a notation system that supports **working memory**, **recall** and **conceptual thinking**
- Interpreter listens to the speech and takes notes, then recreates the speech from memory using notes
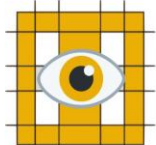- A trained interpreter can memorize and translate up to 20 minute of text

watch video

watch video

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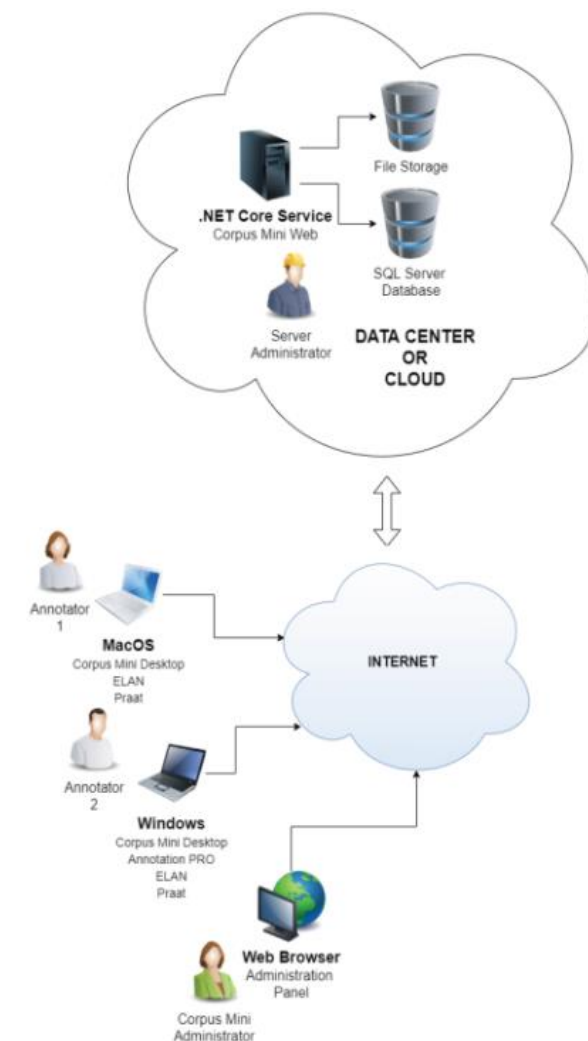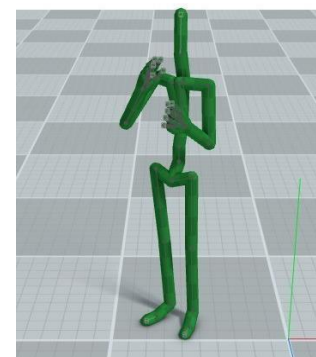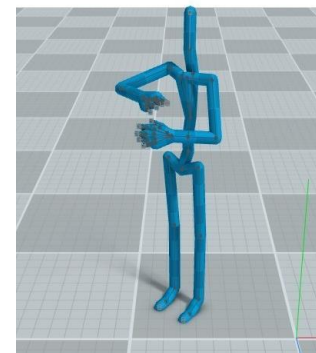# Speech and Gesture in Interaction

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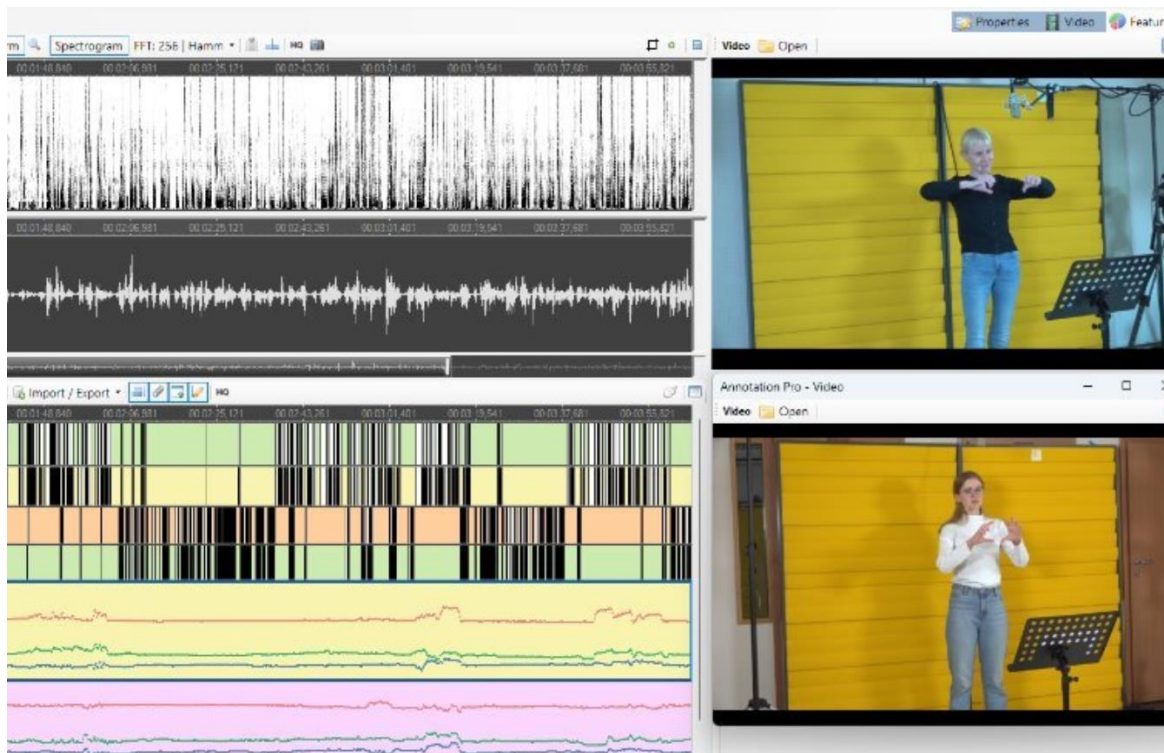
- Lab, tools & data for **Multi**modal **Com**munication studies
- **MultiCo** shared corpus of richly annotated multimodal data
- Gesture space & speed analyzers using Motion Capture data
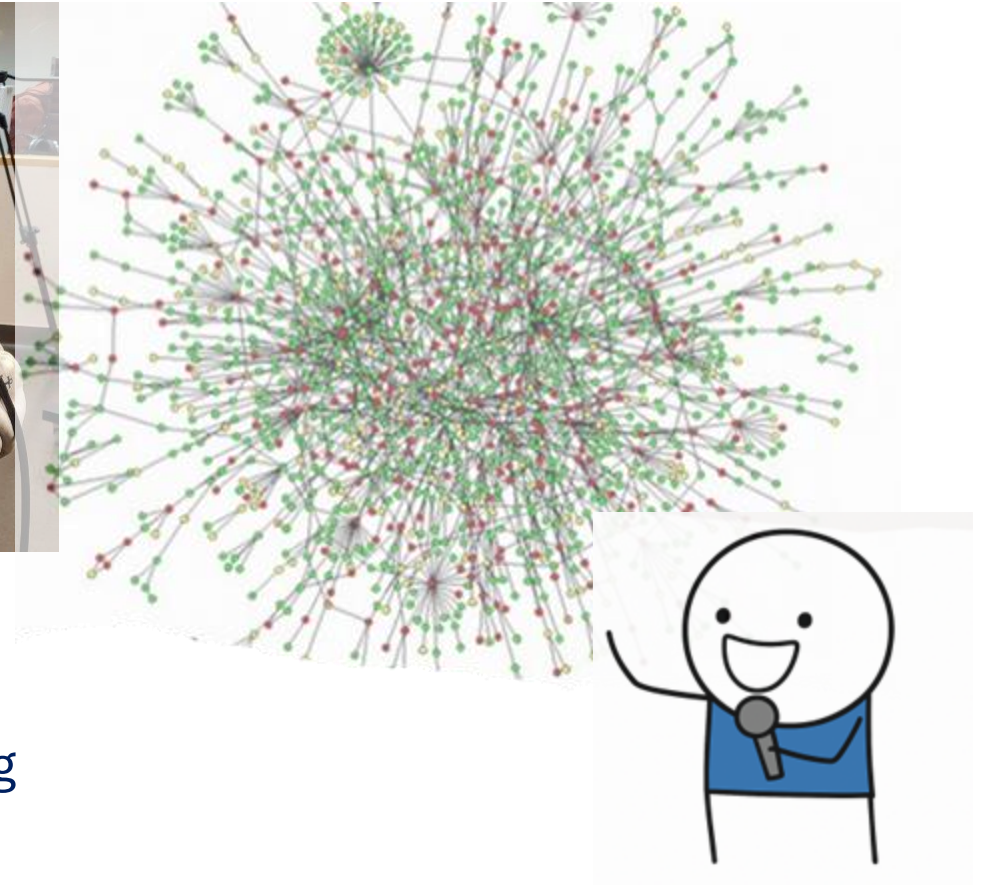
In search of melody predictors

Linguomusa

- laboratory and applications for analysis of **music and speech**
- which sound sequences are **popular** among listeners?
- Melody **information content** as a relevant cue
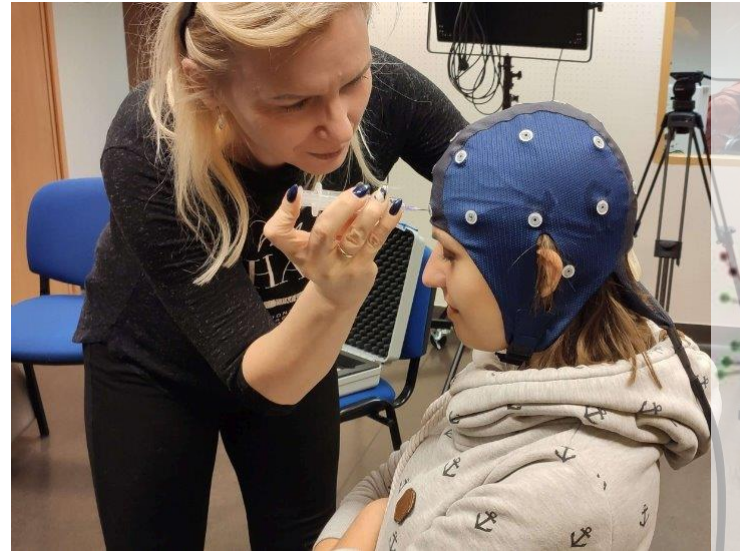
Audiovisual Archive: Art and Music

*Connecting the **material** world. Creating the **virtual** one*

- Art reproductions and unique ethnomusicological recordings
- Digitisation laboratories: for analogue recordings, photographs and graphics

Philological hub

A cloud-based platform with a set of tools for research in literature, language, and more.

- *Researcher's Desk,* which integrates philological digital tools for **digital source editing, preparing digital editions** (e.g., *Kaliszanin*)
- A **literary mapping system** based on selected cultural texts (e.g., texts centered around the myth of Theseus, module: e-Myth)
- An **online tool for collaborative animation and hypertext creation**: INKAH
- The Phraseological Corpus Digitalization System (SDKf)

Audience & partners

Desired audiences include **academic partners** as well as theraphists, music producers, archivists, writers, museums, radio stations, language communites, heritage groups interested in **authentic human performance** with its subtleties and on **data** collection/processing that requires (some) **human participation.**

Piotr *Pete* Mazurkiewicz, Photo: Coling project Chappell Hill documentary mission, we processed recordings of Polish Texans.

EMA studies at Maria Przybysz Piwko lab @ University of Warsaw

Music, speech & interaction, *5 Directions of the World* band

Status of the project

We are implementing an **ongoing project** that builds upon and extends the infrastructure developed in a **previous** project, finished in 2023.

Infrastructure funded within two projects granted to AMU, Adam Mickiewicz University in Poznan, as partner of DARIAH-PL consortium:

- **Dariah.lab** (2021-2023) - head of the project at AMU: Katarzyna Klessa, funding: Intelligent Development Operational Program, Polish National Center for Research and Development (id. POIR.04.02.00-00-D006/20)
- **Dariah-hub** (2024-2025) – head of the project at AMU: Brygida Sawicka-Stępińska, funding: the European funds for Poland's recovery and resilience plan.

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Contact person

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