



AMI



# - AmiGram - A General-Purpose Tool for Multimodal Corpus Annotation

<http://www.amiproject.org>  
<http://www.dfki.de>



**German Research  
Center for Artificial  
Intelligence**

Christoph Lauer                      Jochen Frey  
Benjamin Lang                      Thomas Kleinbauer  
Jan Alexandersson                      Tilman Becker  
Harald Lochert                      *First.Last@dfki.de*

## AmiGram Meeting Corpus Visualizer

- Generic NXT-based Browser
- Meeting Size up to 1 hour
- Multiple Tiers, Score Format
- Signal Analysis Tiers (Waveform and Spectrogram)
- Multiple Synchronized Media Players

## AmiGram Annotation Editor

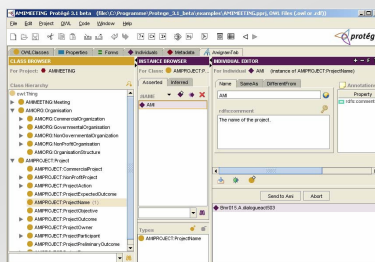
- Direct Manipulation of NXT Entries
- On-the-fly Real-time Annotation
- Two-Step Segmentation and Annotation
- Generic Plugin Interface
- Protégé-based Ontology Plugin

The screenshot shows the AmiGram application window with several callout boxes pointing to specific features:

- Video Stream:** Points to the central video player showing a meeting scene.
- Content Editor:** Points to the 'Element Text Content' and 'Parameter (Text Edit)' fields.
- Annotation Tree:** Points to the 'Observable Track Annotation Board' on the left side.
- Annotation Element Content:** Points to the detailed view of an annotation element in the bottom right.
- Audio Channels:** Points to the list of audio players on the right side.
- Signal Analysis:** Points to the spectrogram and waveform visualization at the bottom.
- Observable Track Annotation Board (OTAB):** Points to the main timeline area with various colored tracks.
- Annotation Element:** Points to a specific annotation element on the timeline.

## PlugOn: Protégé-based Ontology Plugin

- Propositional Content Annotation
- Ontology PlugIn
- Based on Protégé Extension Tabs
- Underlying OWL Ontology



## Ongoing work

- Annotation of Propositional Content for AMI Design Meetings
- Incremental Annotation Support
- OTAB: Configurable Display of Annotation Element Content
- Implement NOMShared
- Highlighting of NQL-Query Results