

SIGN LANGUAGE TRANSLATION

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Research Group: Multimedia Technologies Group

The Multimedia Technologies Group (GTM) is an attractive environment for a postdoctoral candidate because it combines strong signal-processing foundations with active research in speech technology, image and video processing, biometrics, acoustics, and clinically oriented AI, while also maintaining a distinctive line in automatic sign language recognition. What stands out most is the group's mix of methodological breadth and real-world impact. GTM works on topics ranging from text-to-speech and speech recognition to Spanish Sign Language resources and applications such as SignaMed.

For a potential postdoc, this suggests a setting where one can pursue both publishable core research and socially meaningful applications, supported by established staff, doctoral researchers, and substantial computing infrastructure geared toward deep learning workloads. The group also offers a strongly practice-oriented environment, with research spanning multiple TRL levels and close interaction with communities, institutions, and companies interested in innovation and technology transfer.

Keywords: Modeling visual signing features | Modeling language cross-modal interactions | Integration of Multi-Modal Language Models for scalability

Research Focus:

Sign language translation, combining research on visual signing features, cross-modal language interactions, and the integration of multimodal language models for scalable solutions. This is an exciting opportunity for candidates who want to work on both cutting-edge AI and socially relevant technology, in a team with proven experience in real sign language applications and resource development.