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German speech recognizer for oral history archives

Speech technologies are an integrated part of Artificial Intelligence. We will present our effort in applying the end-to-end speech recognition methods not only in the domain of oral history archives. Our department took part in the NSF MALACH project, which focused on the automatic processing of Holocaust testimonies collected as part of the USC Shoah Foundation Visual History Archive, and we developed end-to-end speech recognition technologies for Czech. We recently applied the same methods to English and German languages and achieved state-of-the-art results outperforming the publicly available Whisper recognizer. In addition, we will mention other related speech and NLP technologies, such as speech synthesis and language understanding.