



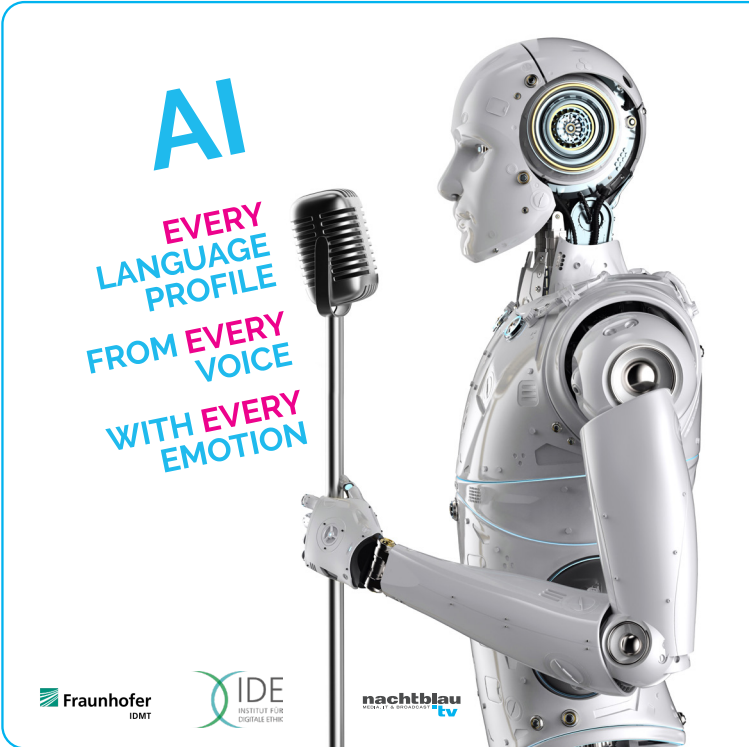
GEISST – GENERATOR FOR EMOTIONALLY CUSTOMIZABLE SYNTHETIC VOICES

THE FUTURE OF SOUND PRODUCTION THROUGH EMOTIONAL DIVERSITY IN SYNTHETIC VOICES.

In today’s media production, a lot of time and money is spent on first producing a news report, for example, and then generating various other, shorter versions for different channels (e.g. social media). This requires a largely manual adaptation of the content for each channel and a complete re-dubbing with the original speakers. In this project, a generator for emotionally customizable synthetic voices (GEISST) is being developed to enable media companies to automatically create voice recordings using individual voice profiles and freely selectable tonality and emotionality.

The scientific and technical work in GEISST, led by Nachtblau and supported by research partner Fraunhofer IDMT, is concerned with AI-based signal analysis and speech synthesis as well as combining the technologies in a demonstrator. Under the direction of the Media University, this is accompanied by comprehensive research into ethical principles and consequences as well as a legal opinion, as the risk of misuse and the role of trust in the media must be given particular consideration in the case of synthesized voice recordings.

Technically, this will be supplemented by R&D work on forgery-proof identification of the synthesized voice data. The developments are to be integrated into Nachtblau’s media asset management system medialoopster.



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ABOUT NACHTBLAU

Based in Hamburg, we have extensive expertise in media and IT and have been developing complex media, IT and broadcasting projects since 2005. Backed by a team of experienced media and IT specialists, we offer technical services, software solutions, cutting-edge equipment and efficient support for all issues relating to the production of media data.