



TikTok Parent Unveils PolyVoice, Speech-to-Speech Translation with Language Models

ByteDance, TikTok's parent company, is stepping up in the [speech-to-speech translation](#) (S2S) game with its newly proposed PolyVoice – a language model-based framework.

Announced in a [research paper](#) on June 13, 2023, the China-based tech company introduces a decoder-only model to enable direct translation, diverging from the traditional encoder-decoder modeling, which remains prevalent in speech modeling.



As noted in the [Slator Interpreting Services and Technology Report](#), published in late 2022, research and development activity in S2S translation is booming. Meta has contributed to data collection through the release of [a large-scale multilingual corpus](#). Rival tech giant Google has been active in technological development, as demonstrated by the release of its [fully unsupervised Translatotron3 model](#).