The Interplay of Speech and Lip Movements

Applications

Generating talking face videos from speech
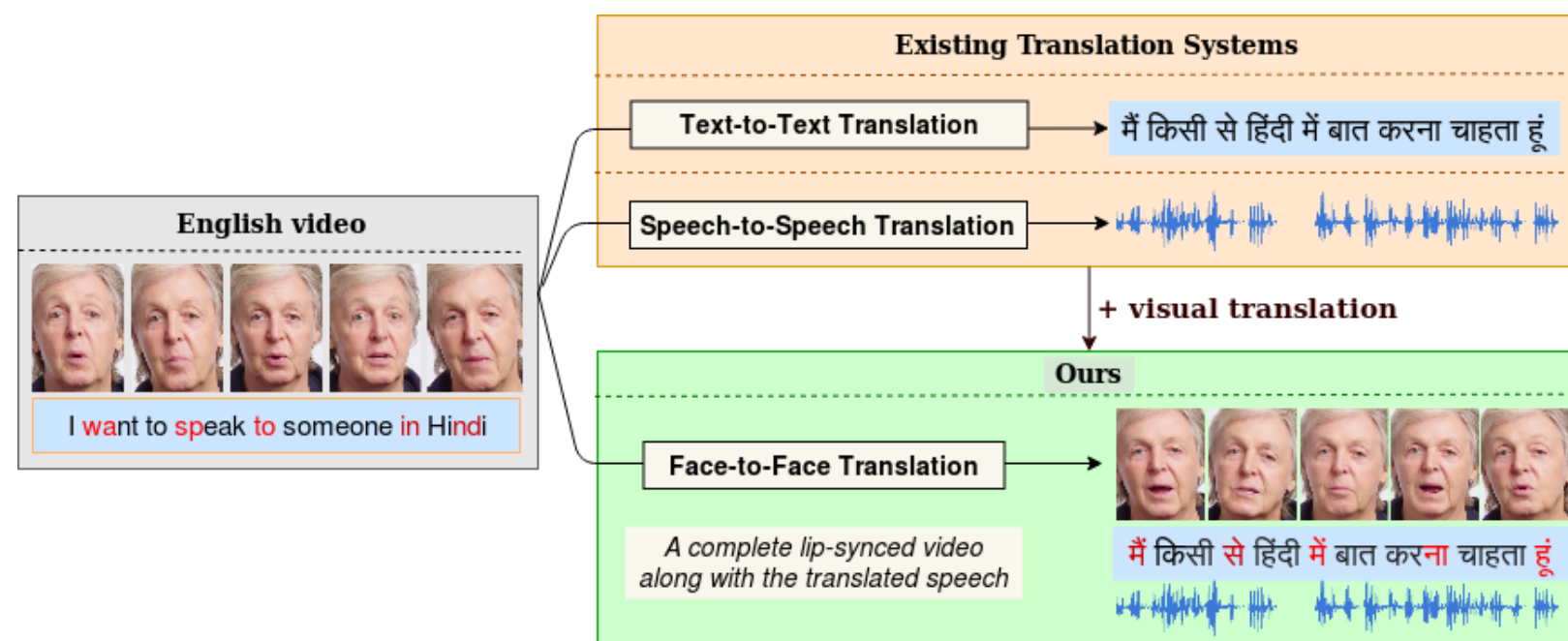
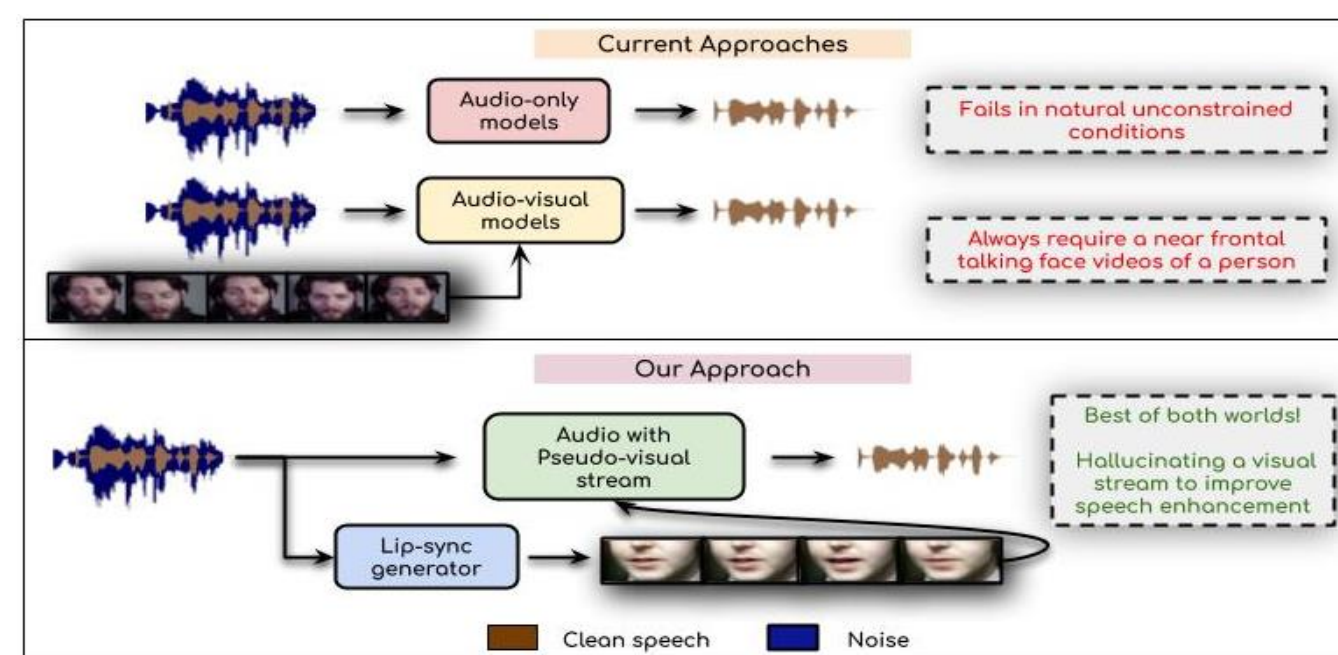**LipGAN (ACM Multimedia, 2019)**

Wav2Lip (ACM Multimedia, 2020)

Generating speech from lip-movements
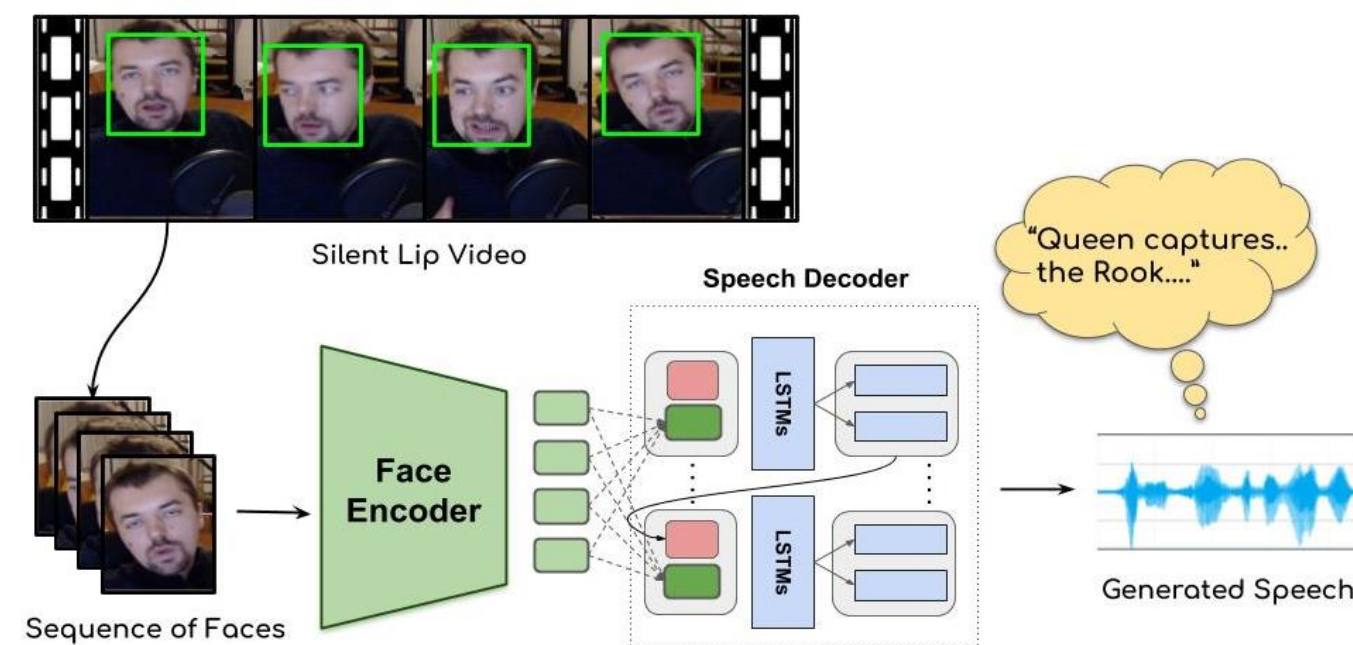
Lip2Wav (CVPR, 2020)

Speech enhancement using pseudo-visual stream

WACV, 2021

Lip-syncing Dubbed Movies

Lip-syncing Translated Lectures

Lip-syncing CGI Characters

Lip-syncing dubbed press conferences

Generating Talking Memes, GIFS

Lip-reading Visual OTP/Password

Helping Patients with Aphonia
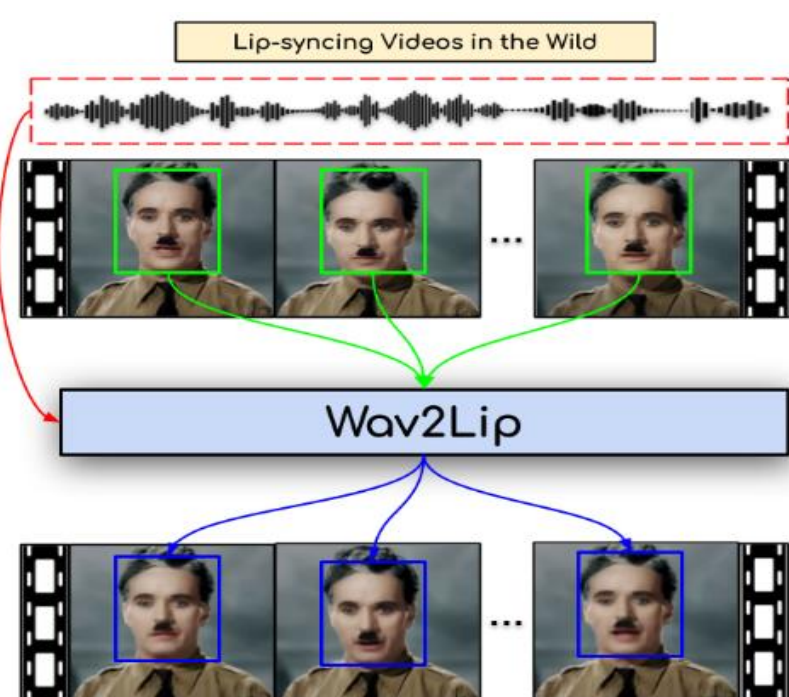
Silent Video Conferencing

Helping vloggers shoot outdoors
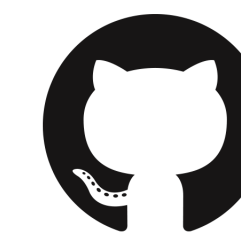
Helping reporters report in noisy conditions

Removing noise from live speeches

Removing static from old speech recordings

Removing background music from movies

Over 2.5k Stars   Link   Around 40k Views

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