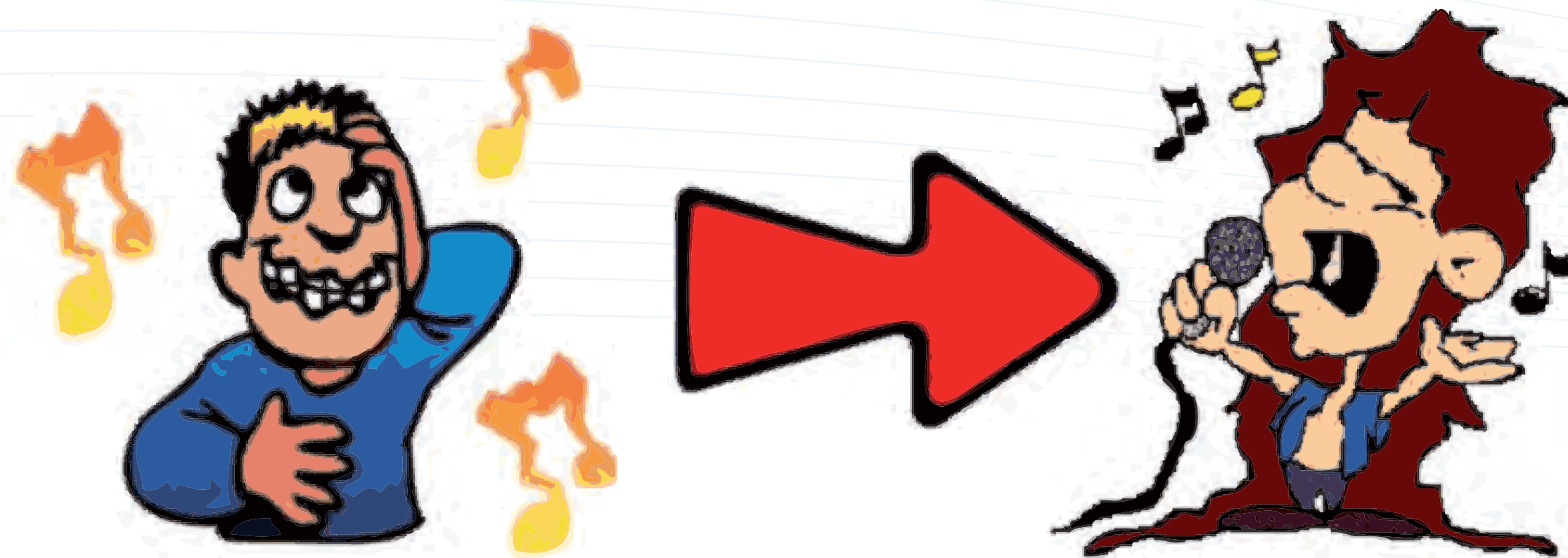


Speech2Singing

Personalised Singing Voice Synthesis

Technology Overview

Want to be a pop-star? And what if you cannot sing well? With the Personalised Singing Voice Synthesis Technology developed by Human Language Technology Department of Institute for Infocomm Research, you can become a star in a moment. Try reading in the lyrics of your favorite song and listen to the playback of your own singing. Impress your friends and fans!



The demo will accept a recording of the read lyrics of a song. The system will then apply the melody of the song to the speech recording, thus generating a personalised singing voice. The technology equips the computer with the ability to automatically convert a spoken voice into a professional singing voice.

Technology Features

- The conversion from speech to singing voice is fully automatic.
- The synthesised singing voice carries natural melody details, such as vibrato.
- The voice timbre of the original speaker is preserved in the synthesised singing.
- The system adds accompaniment music to the singing.

Potential Applications

- Entertainment Industry
- Education Industry

Benefits

- A method to generate personalised singing for people without good singing skills.
- An automatic way to generate natural singing for computer applications.
- An interactive way of teaching users how to sing with the right melody.