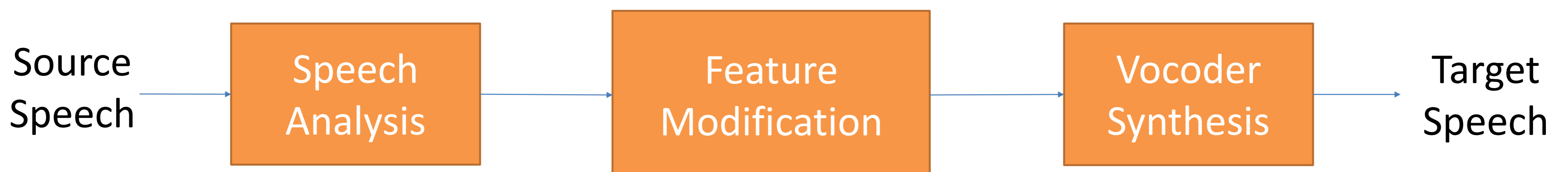
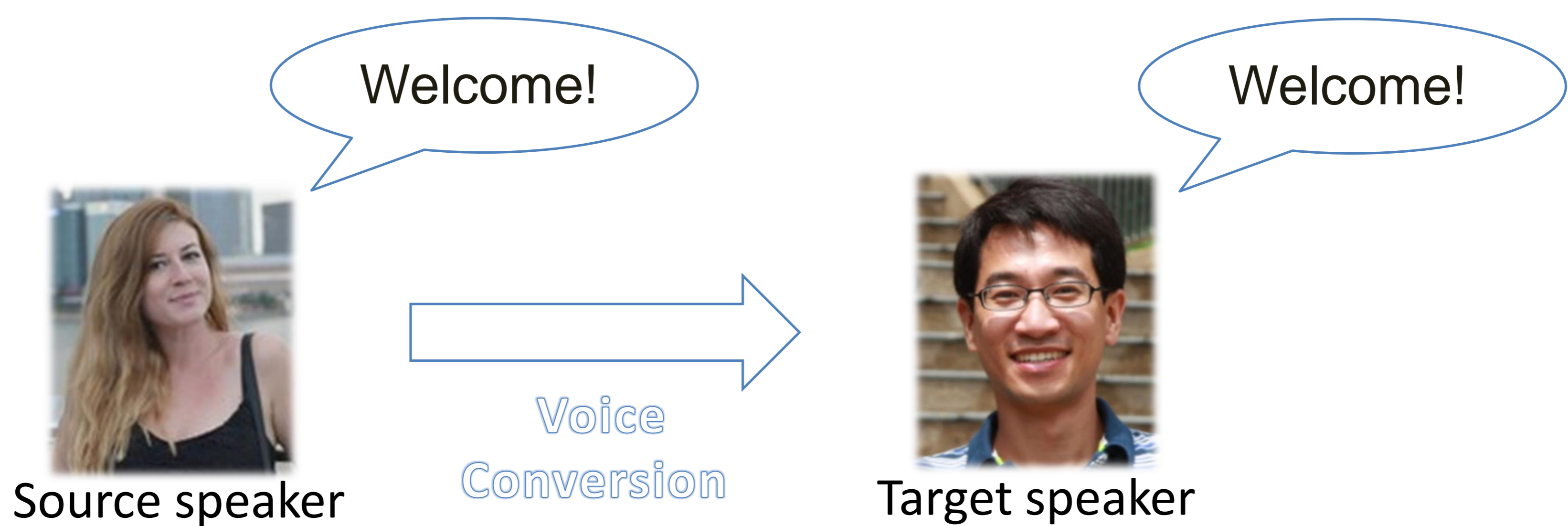


# VOICE CONVERSION

To modify one's voice to sound like that of the other.



## Technologies

- ❖ Speech analysis and synthesis
- ❖ Vcoders (STRAIGHT, WORLD, and WaveNet)
- ❖ Temporal alignment between source and target speakers
- ❖ Prosody analysis and conversion
- ❖ Spectral feature analysis and conversion

## Feature Modification

- ❖ Traditional approaches: GMM, DKPLS, sparse representation
- ❖ Deep learning techniques: DNN, LSTM, GAN

## Applications

- ❖ Personalized speech synthesis
- ❖ Dubbing of movies and games
- ❖ Cross-lingual voice conversion