



# Visual Speech Recognition -An Introduction

Liu Chang

Dec. 27th, 2013

Bionic Ear and Sound Technology Laboratory  
仿生耳与声音技术实验室



# Introduction

- ❓ How can we understand or interpret speech without hearing it?
- ❓ For Human:
  - ❓ Lip reading, a technique especially mastered by people with hearing difficulties.
- ❓ For Computer:
  - ❓ **Visual Speech Recognition (VSR)** or speech reading.



# Introduction

## 👂 VSR: Visual Speech Recognition

👂 Definition:

👂 Task of automatic speech recognition by a computer, when **ONLY** visual component of speech is used.