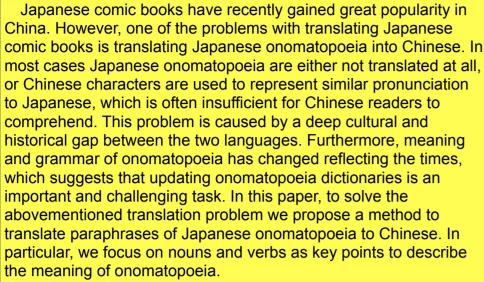


# **Explaining Japanese Onomatopoeia in Chinese Using Translated Paraphrases**

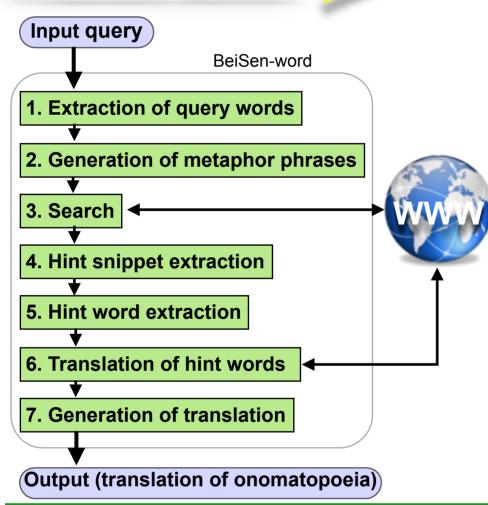
Wen Luo, Fumito Masui, Michal Ptaszynski (Kitami Institute of Technology)

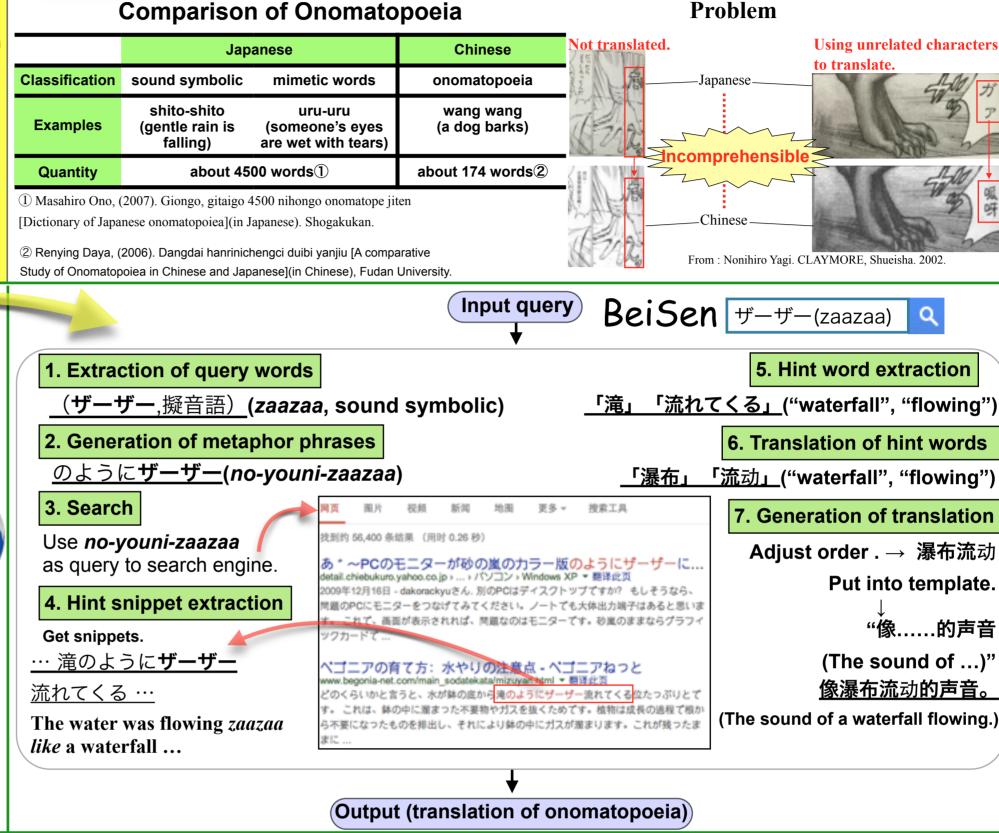
### Abstract

### Introduction



## **Proposed Method**



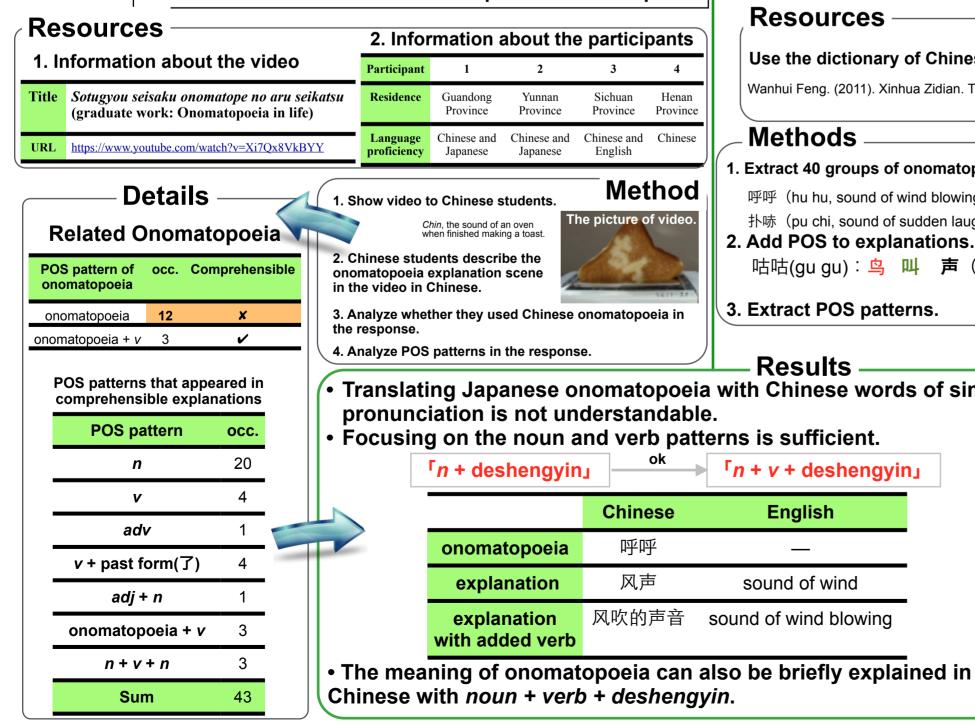


Experiment

#### Investigation

Goal

How Chinese readers understand Japanese onomatopoeia.



#### Goal How to explain Onomatopoeia in Chinese Dictionary. Details Resources Morphological patterns of onomatopoeia explanations in Chinese Use the dictionary of Chinese. 新华字具 **POS** pattern occ. Wanhui Feng. (2011). Xinhua Zidian. The Commercial Press. 12 *n* + deshengyin **Methods** (noun + 的声音, 1. Extract 40 groups of onomatopoeias with their explanations. the sound of + noun) 呼呼(hu hu, sound of wind blowing), n + v + deshengyin13 扑哧 (pu chi, sound of sudden laugh and), ... adi + deshengyin 1 2. Add POS to explanations. 咕咕(gu gu):鸟叫声(Birds singing) v + deshengyin 1 n+v+deshengyin 2 3. Extract POS patterns. *v* + *n* + deshengyin adv + v + deshengyin Results adj + v + deshengyin 1 Translating Japanese onomatopoeia with Chinese words of similar 9 Execeptions 40 Sum $r_n + v + deshengyin_1$ Conclusions English • We investigated morphological patterns of onomatopoeia explanations in Chinese. We investigation morphological patterns of sound of wind Japanese mimetic words explanations in Chinese. sound of wind blowing Based on those investigations we

developed BeiSen-word a system for automatic translation of onomatopoeia.