

# Automatic Extraction of References to Future Events from News Articles Using Semantic and Morphological Information

Yoko Nakajima  
Kitami Institute of Technology

## Future Reference Sentences

- Describe the probable future event.
- Contain comments to the future event.
- Include information on past events, background knowledge and professional views etc.



## Reference to Future Events

- FRS on a specific topic can support decision making process.
- I undertake the task of extraction of FRS from reliable corpus (newspapers).

a probability of rain : 30%

[bring / don't bring] an umbrella ?

professional : "It could rain around lunchtime a little."

lay people : can decide to bring an umbrella easily.



Text corpus



Morphology + semantic



**Morphosemantic : MoPs**

**English:** As Japanese eel has been specified as an endangered species, the expectations grow towards mass production of eel in full aquaculture.

**MS:** [Object][Agent][State change][Action][Noun][State change][Object][State change]

**MoPs:** [Object]\*[State change]\*[Noun]\*[State change]

