

# NTCIR-11 Task Proposal: Spoken Query and Spoken Document Retrieval (SpokenQuery&Doc)

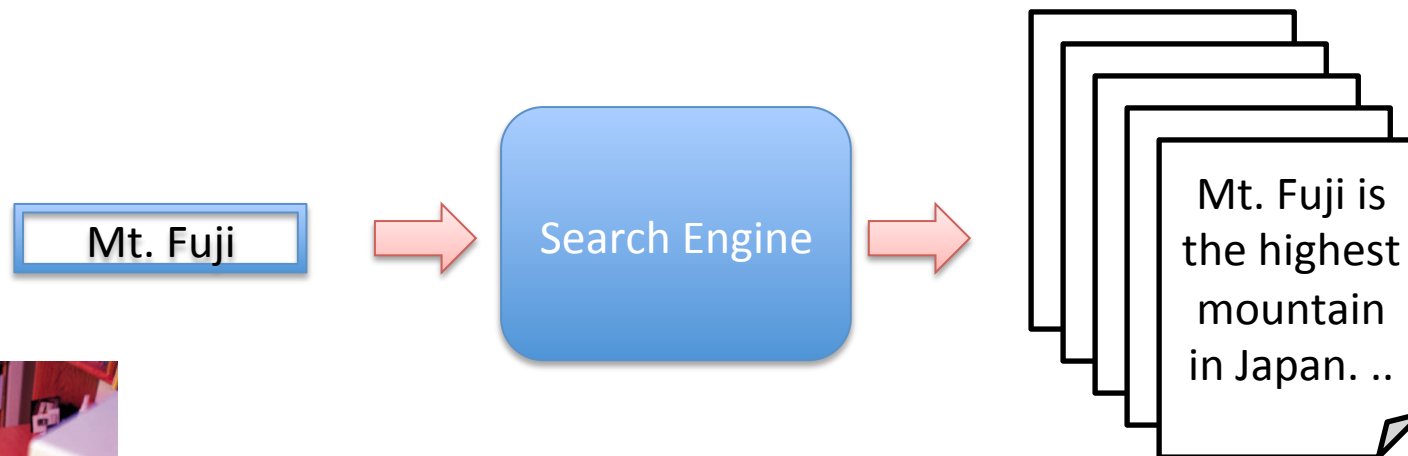
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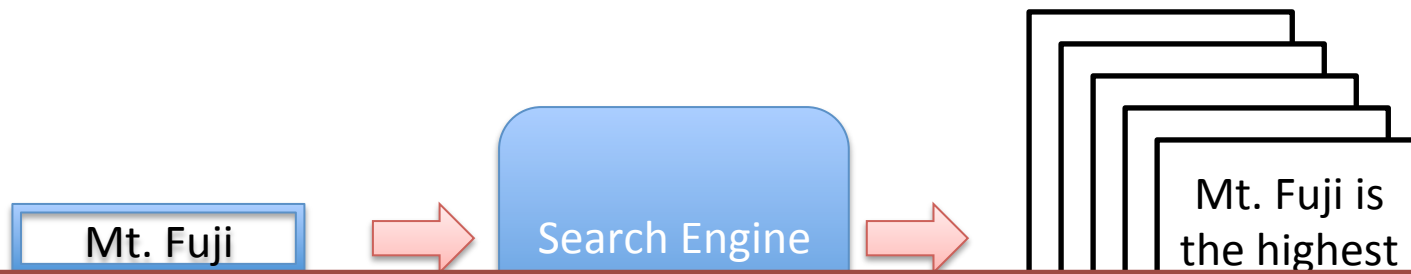
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# Bottleneck of current IR framework



I'm going to go climbing **Mt. Fuji** in next summer vacation. Well, I hear the accident um... I hear the news about the accident in the climbing. Well, someone has missed or someone lost one's way in the mountain. So I would like to know what should I prepare for climbing, what equipment, equipment is necessary. I would like to know what should I prepare when I go climbing.

# Bottleneck of current IR framework



Overcome it by using Speech!



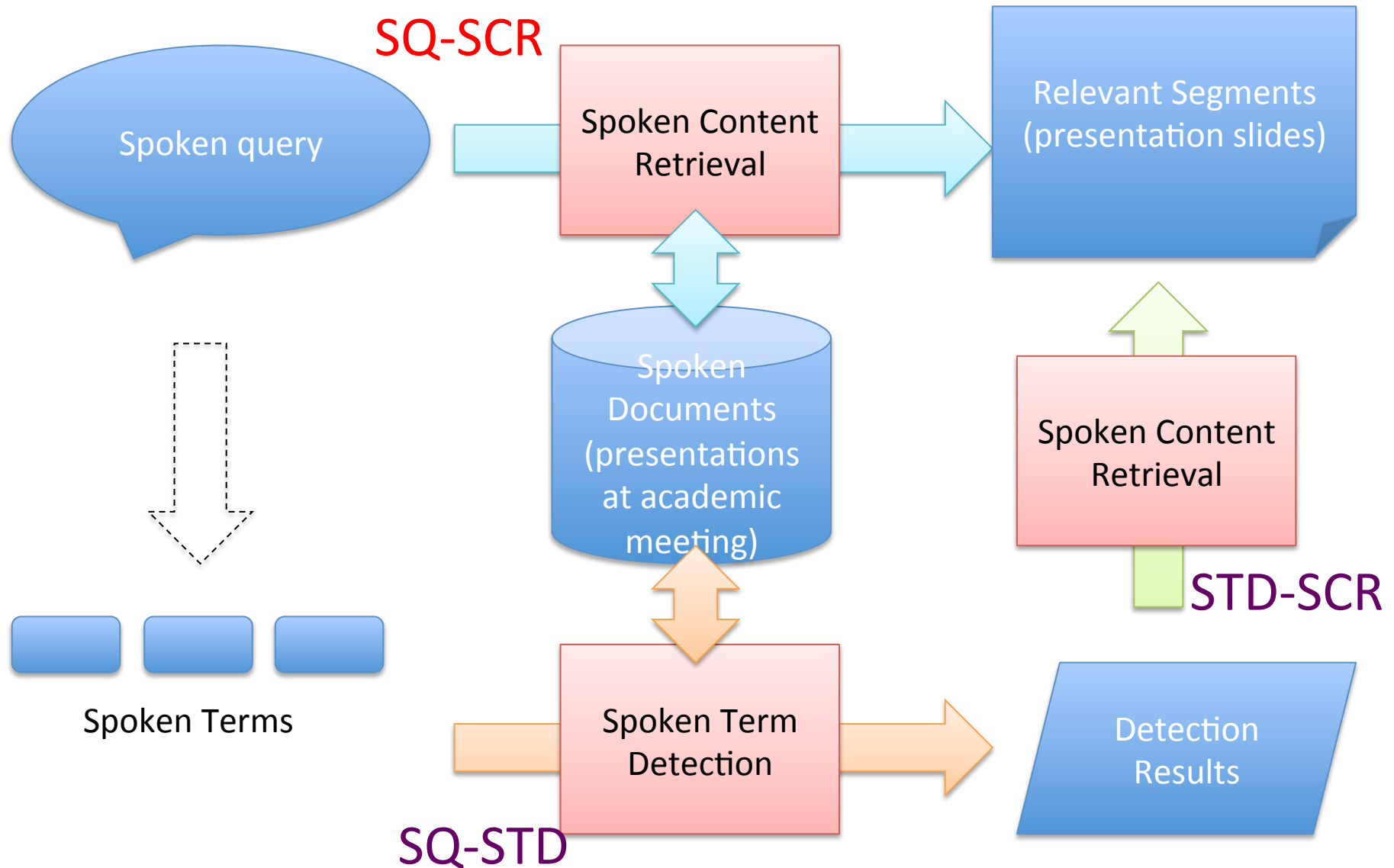
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# Focus of the proposed task

- Information Retrieval by using “spontaneously spoken query” targeting “spoken documents”.
  - Use of spontaneously spoken query for retrieval.
  - Evaluate spoken term detection (STD) and spoken content retrieval (SCR) at the same time by using common (spoken) query topics.

SpokenDoc-1,2 → SpokenQuery&Doc

# Task Design



# Example of Spoken Query (1)

- Read Query
  - 登山をする場合の心構えについて知りたい
  - (I want to know what should be kept in mind when mountain climbing.)
- Spontaneously spoken query
  - 今年の夏休みに始めて山に登山に行くことになったんですけれども。あの一登山は結構事故があの一やはり夏になるとよくニュースで聞きますし、ま誰々が行方不明になったとか遭難したとかそういう話が色々あると思うんですけれども。あの一山に登る時にはどういった心構えと言うか、あの一装備こういう装備が必要だとかこういうものがあるといいよ、とかそういったあの一山登りに関しての、山に登る時についての心構えについて知りたいです



## Example of Spoken Query (2)

- Read query
  - 中国語の特徴を知りたい
  - (I want to know about characteristics of Chinese.)
- Spontaneously spoken query
  - とー中国語のー 文章文章というか音声  
を処理する時に まどういう何かその  
特徴が使える どうもま何か他と違うと  
特徴があるらしいんですけど、どうい  
うものがあるのか知りたいです。ま素人  
素人考えとしては何か四声とかが、特  
徴的なのかなと思うんですけど、ま  
どういものがあるんでしょうか

