Discussion Topic

Speech Technologies for the Multilingual Web

The web is becoming more and more VOCAL!

Speech or speech-related contents are increasingly being brought onto the Internet in a variety of forms:

- e-learning classes (e.g., Khan Academy, language classes, NLP courses, etc.)

- motivational multi-purpose talks (e.g., TED talks)

- lyrics on music videos

- movie subtitles

- broadcast news captioning

- advertising

- etc.

State-of-the-Art Core Speech Technologies

- speech understanding

- summarization of spoken documents

- classification, question-answering, and rich transcription of multimedia documents

- computer assisted language learning

- speech-to-speech machine translation

Socio-Economic Importance of Spoken Language

- Complements the more traditional document-content based web

- Further strengthens and make more appealing and dynamic the information access over the internet

- Creates new opportunities to spread and share knowledge on a global scale

- Helps businesses advertise, market and sell their products and services

- Addresses educational inclusion and special communication needs

- Extremely popular among younger generations

- Enriches the social value of the web

- Facilitates human communication

Conclusion

Speech Technology CANNOT be absent

from the multilingual web discussion!