

55. Enriching use and experience of radio content

Until now radio content has been disconnected from other audiovisual and textual information. Our demo shows that radio can be much more than listening only. Radio can be made searchable to find a certain quote, person or topic. The experience of listening radio can be enhanced presenting related images from other information sources on a screen.

Reversely, radio content can also be linked to information on the web. A written news story might be enriched with a related radio interview.

We improve the use and experience of radio content by automatically processing audio files and combining the output with the latest audio search technology.

ICT science question

How can information technology add value to media by enabling concepts that increase the use of audiovisual content?

The ICT-solution should look for a combination of speech technology and information extraction to decode the spoken words automatically and use these as labels for searching and linking functionalities.

Application

How to enhance the experience of users engaging with the content? How do users evaluate these new functionalities and how can this feedback be used to fine-tune the technology?

We have developed a lab version of a platform for online radio, enhanced with automated content-based search, browsing and linking. We are also pleased to connect our technology to a potentially large user base via the Woord.nl platform: a collection of historical and recent radio stories.

Partners in our work are media industry representatives: content-owners (VPRO), archives (NIBG) and technology providers (Cross-Media Interaction).

Similar applications have the disadvantage that they require substantial manual resources to accomplish the same functionalities. Therefore they are limited in scope.



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Alternative Application

The ICT science that we develop is applicable to any domain that uses audiovisual content. Alternative applications might therefore lie in the domain of meetings, presentations, talks, gaming etc.

Nice to know

Our technology is implemented in a lab version of the woord.nl portal; it is used at the Netherlands Institute for Sound and Vision for searching audiovisual collections; and it is also adopted in a search application for researchers in the Digital Humanities interested in Oral History content (<http://zoeken.verteldverleden.nl>)



RadioPlus demonstrates audiovisual search to aid in the browsing of audio collections from diffuse sources. For industry, the technology enables education, journalism, research, and security.



For the holder of digital archives, better means are needed to exploit the content of the archives. RadioPlus connects audiovisual content with other content to create new engaging access tools for users.



RadioPlus provides a scenario for the impact of audiovisual search and linking technology for the use of multimedia content. The role of audiovisual media in every day life pleads for such technology.



The work behind RadioPlus aims to enhance search and exploration of large spoken word collections and to enable cross-media audio hyperlinking by spoken entities derived from the audio signal.



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