

Gagnon, L., Chapdelaine, C., Byrns, D., Foucher, S., Héritier, M. and Gupta, V.
"Computer-Vision-Assisted System for Videodescription Scripting" In 3rd workshop
Computer Vision Application for Visually-Impaired (CVAVI 10) - A Satellite Workshop of
IEEE CVPR 2010. San Francisco, CA, USA, June 13-18, 2010.

Abstract

We present an application of video indexing/summarization to produce Videodescription (VD) for the blinds. Audio and computer vision technologies can automatically detect and recognize many elements that are pertinent to VD which can speed-up the VD production process. We have developed and integrated many of them into a first computer-assisted VD production software. The paper presents the main outcomes of this R&D activity started 5 years ago in our laboratory. Up to now, usability performance on various video and TV series types have shown a reduction of up to 50% in the VD time production process.