
**Abstract**

We present two prototype software tools which aim at increasing the e-accessibility of video content for people with vision loss. One tool is to assist humans in generating an offline video description rough for mass production; the other is to allow people with vision loss to select the type and level of video description during playback. The tools integrate various video processing technologies to (1) automatically detect and recognize pertinent visual contents (shot transitions, faces, places, texts, etc.), (2) associate and embed a textual description to them on the audio track and (3) render with a synthetic voice during playback. This long term project first necessitated to meet with producers to understand the industry practice and with end-users to identify their needs. The paper gives a rather non-technical and descriptive overview of the current development and functionality of the tools.

**Keywords**: e-accessibility, video description, audio description, computer vision