



Study on an image selection method towards automatic authoring of video obituary using Web contents

Kyoka KUNISHIRO[†], Frank NACK^{††}, Ichiro IDE[†], Yasutomo KAWANISHI[†], Daisuke DEGUCHI^{†††,†}, and Hiroshi MURASE[†]

† Grad. School of Information Science, Nagoya Univ. Furo-cho, Chikusa-ku, Nagoya, 464–8601, Japan †† Informatics Institute, Univ. of Amsterdam, Science Park 904, 1098 XH Amsterdam, The Netherlands ††† Information Strategy Office, Nagoya Univ. Furo-cho, Chikusa-ku, Nagoya, 464–8601, Japan

Abstract In this report, we propose an image selection method for automatic authoring of video obituary using Web contents. An obituary video is composed of three parts: childhood, profession, and personal life. We extract keyphrases on important events for each of these parts from the online encyclopedia Wikipedia, and then retrieve images from an image search engine that correspond with the important events of the deceased. Focusing on the Visual Concepts of the obtained images, by selecting images that share the same Visual Concepts that represent the keyphrases in general, we select images that visually represent the important events of the deceased well.

Key words Video authoring, Personal information, Image retrieval

1. はじめに Web

Web

Wikipedia Youtube