Abstract

Face recognition presents various challenges in the field of image analysis and computer vision, and a large amount of work has been done over the last few years because of its applications in various domains. Mining web facial images on the internet has evolved as a promising model towards auto face annotation. Content-based image retrieval (CBIR) systems need users to give low-level visual content images as query and then retrieve similar top matching images from database. The technique also aims to investigate framework of search-based face annotation (SBFA) by mining weakly labeled facial images that are freely available on the World Wide Web (WWW). This work presents automated face annotation that aims to automatically detect human faces from a photo and further annotate the faces with the corresponding human names.

References

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Index Terms

Computer Science Pattern Recognition

Keywords

Face annotation, Content based image retrieval (CBIR), Web facial images, Weak label, Unique key generation.