Abstract

Text information in natural scene images serves as important clues for many computer vision applications such as content-based image retrieval, tourist translator, and assistive navigation. Extraction of such information from natural scene images, involves number of sub stages represented by text information extraction (TIE) system. However, performance of such system is greatly influenced by text localization module. Lots of work has been reported in this field, but it still remained as a challenging problem, due to two main issues: different variety of text patterns like sizes, fonts, orientations, colors, and presence of background outliers similar to text characters, such as windows, bricks. The purpose of this paper is to study and surveyed existing text localization method and challenges for the same.

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**Index Terms**

Computer Science

Image Processing

**Keywords**

Scene text detection
Scene text localization
Scene text extraction
Connected component (CC)-based approach

CC clustering.