

# **New Chances and New Challenges in Camera-Based Document Analysis and Recognition**

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During the past decades, document recognition systems were mainly developed for the scanner devices. However, as the digital camera is getting popular drastically and its performance is being improved rapidly, the digital camera became an attractive alternative imaging device for the document recognition system.

The popularization of digital camera can significantly extend the application area of pattern recognition technology, because the camera is portable, convenient and provides freedom to capture any object under any environment. However, it also brings new challenges to pattern recognition researchers.

This presentation will describe the new chances and the new challenges introduced by the popularization of digital camera. Then, it will propose a perspective to understand CBDAR system as well as some suggestions for the research direction of CBDAR. Finally, a brief description of mobile environment which is closely related to the camera device and some experiences in developing a camera based OCR product will be presented.