The demonstration contains two mobile applications that shows scene text recognition. The applications, automatic image repository tagging and real-time multilingual menu recognition, use a language model based method which the authors newly propose at ICDAR 2011. The proposed method uses Weighted Finite-State Transducer (WFST) that greatly suppresses large-scale ambiguity in scene text recognition, especially for Japanese Kanji characters. The details appear as the same title in ICDAR 2011 proceedings.

DEMO1: IMAGE TAGGING

This shows a cloud-based prototype service that recognizes photo galleries on a mobile through the recognition of words in the scene images. The system is commercially available on the web for Japanese general public. <http://tangochu.jp/en/>

DEMO2: REAL-TIME MULTILINGUAL MENU RECOGNITION

The developed portable system locally extracts and recognizes multilingual scene texts in real-time. The target language and text types are generic though, the demonstration is tuned to local menu translation for which the system combines multiple language processing based on WFST and an existing OCR engine for traditional Chinese, simplified Chinese, Korean, English, and Japanese.