

Preface

The pervasiveness and wide-spread availability of camera phones and hand-held digital still/video cameras has led the community to recognize document analysis and recognition of digital camera images as a promising and growing sub-field of Document Analysis and Recognition. Constraints imposed by the memory, processing speed, and image quality are leading to new interesting open problems that cannot be directly resolved by traditional techniques.

To cater for the demands of camera-based document processing, the idea of a new satellite workshop of International Conference on Document Analysis and Recognition (ICDAR) was conceived by Prof. Koichi Kise. Together with Prof. David Doermann, he took the responsibility of organizing the first workshop on Camera-Based Document Analysis and Recognition as a satellite workshop of ICDAR 2005 in Seoul, South Korea. The workshop was very well received by the community and hence it was held in 2007 (Curitiba, Brazil), 2009 (Barcelona, Spain), and 2011 (Beijing, China) with the corresponding ICDAR conferences. It is our pleasure to hold the Fifth International Workshop on Camera-Based Document Analysis and Recognition (CBDAR 2013) in Washington D.C., USA, following the success of the past four workshops. The workshop is aimed to provide an opportunity to researchers and developers from various backgrounds to exchange their ideas and explore new research directions through the presentation of recent research activities and discussions.

In the eight years since the first CBDAR was held, the situation surrounding the CBDAR field has been evolving. New technologies have brought a shift in the paradigm from static camera-captured scene image reading to real-time video-based OCR using cameras on wearable devices, possibly complementing the camera input with other sensors (e.g., eye tracking). Such sensors and recent technologies have the potential to understand a user's behavior, habit, and thought, as well as improve user experience while reading.

The program of CBDAR 2013 was organized in a single-track one-day workshop. It consisted of two oral sessions and one poster session. In addition to that, a keynote talk was given by Dr. Kai Kunze from Osaka Prefecture University. Finally, a panel discussion on the state of the art and new challenges was organized as the concluding session of CBDAR 2013.

After the workshop, authors of selected contributions were invited to submit expanded versions of their papers for this edited volume. The authors were encouraged to include the ideas and suggestions that arose during the discussions at the workshop. Thus, this volume contains refereed and improved versions of papers presented at CBDAR 2013. We intend to give a snapshot of state-of-the-art research in the field of camera-based document analysis and recognition.

Finally, we would like to sincerely thank those who are helping to ensure this workshop is a success: Dr. David Doermann (ICDAR General Chair), Prof. Daniel

Lopresti (ICDAR Executive Co-chair), Prof. Apostolos Antonacopoulos (ICDAR Workshop Chair), and other ICDAR organizers for their generous support; the members of the program committee and additional reviewers for reviewing and commenting on all of the submitted papers; IAPR for its sponsorship of the workshop.

The Sixth International Workshop on Camera-Based Document Analysis and Recognition (CBDAR 2015) is planned to be held in Tunis, Tunisia.

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