Call for Participation

Document and Text Recognition in Images & Video Sequences

www.bmva.ac.uk/meetings

One Day BMVA Symposium in London, UK on June 11th, 2003

Chairs: Stephen Pollard (HP Research Labs, UK) & Majid Mirmehdi (University of Bristol)

Document Analysis and Text Recognition facilitate intelligent interactions at the interface between the physical and virtual worlds. Historically effort focused upon the exploitation of constrained scanning applications where the document media is under physical control. Traditional application areas include automated postal delivery, digital achieving, digital workflow, digital copy enhancement and intelligent personal scanning. Text analysis is also an important component technology in many industrial applications.

The last few years have witnessed the miniaturisation of the visual sensor leading to a substantial increase in the use of small digital cameras, web-cams and camera-enabled mobile devices such as PDAs and mobile phones. This widespread use places enormous demands on intelligent processing of such streams of data but raises the possibility for a number of new and exciting application areas including the point-and-click scanning of text, capturing and extracting text for storing, communicating or translating notices, billboards, shop-signs, transforming text to audio for the visually-impaired, for navigation by reading road signs, and many more.

The aim of this technical meeting is to consider the problems and solutions associated with all aspect of document analysis and text recognition in image and video sequences. Relevant topics include:

- page decomposition
- camera based document capture
- document stitching
- document perspective/planarity recovery
- super-resolution for text
- desktop computing platforms
- text enhancement

- OCR
- extraction of textual information from the environment
- wearable document capture
- document interaction and communication systems

This list is illustrative, and is not intended to be exhaustive.

Please submit an extended summary of about one A4-sized page (no longer than two pages) in length (PDF preferred) which includes links or pointers to web-based illustrations, demonstration material or papers giving more details.

Please submit papers by email attachment (1Mb max please!) to either or both of
Stephen Pollard (stp@hpl.hp.com) & Majid Mirmehdi (majid@cs.bris.ac.uk)
by Friday 28th February 2003.