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Call for Participation

Vision for Automotive Applications

One Day BMVA technical meeting in London, UK, on 20th May 2009

Chair: Toby Breckon (Cranfield University)

Automotive vision is an increasing area within computer vision research for both on and off vehicle applications. Whilst improved driver awareness is an obvious conduit, the greater potential for enhanced sensing within the wider road transport system offers numerous benefits for safety, security and possibly the environment alike.

Within this domain, this potential comes at the cost of hard constraints in terms of the obvious need for reliability and often real-time performance. However, the ever reducing cost of computation coupled with increasing low-cost sensor capabilities now help drive both research and commercial systems for both on and off vehicle vision systems.

The aim of this meeting is to bring together researchers and practitioners, from both industry and academia, interested in all aspects of automotive vision and in addition potential future applications of their work into this domain. Submissions are invited within in the following areas:

- highway monitoring and reporting
- driver monitoring
- improved driver awareness
- vision as a navigation aid
- automotive data fusion
- real-time obstacle detection
- pedestrian and vehicle detection
- terrain / road classification
- vision for post incident forensics
- novel on-vehicle sensing
- road side asset detection and cataloguing
- on-vehicle recognition and classification

Other topics within the broadly applicable domain of automotive vision will also be considered for inclusion.

Please submit an extended summary of about one A4-sized page length (no longer than 2 pages) in length (PDF preferred). Send contributions by email attachment (1Mb max please) to Toby Breckon (Toby Breckon, toby.breckon@cranfield.ac.uk) by 17th April 2009.