



Attention and Performance in Computational Vision: Second International Workshop, Wapcv 2004, Prague, Czech Republic, May 15, 2004, Revised Selected Papers

By -

Springer. Paperback. Book Condition: New. Paperback. 236 pages. Dimensions 9.1in. x 6.1in. x 0.5in. In recent research on computer vision systems, attention has been playing a crucial role in mediating bottom-up and top-down paths of information processing. In applied research, the development of enabling technologies such as miniaturized mobile sensors, video surveillance systems, and ambient intelligence systems involves the real-time analysis of enormous quantities of data. Knowledge has to be applied about what needs to be attended to, and when, and what to do in a meaningful sequence, in correspondence with visual feedback. Methods on attention and control are mandatory to render computer vision systems more robust. The 2nd International Workshop on Attention and Performance in Computational Vision (WAPCV 2004) was held in the Czech Technical University of Prague, Czech Republic, as an associated workshop of the 8th European Conference on Computer Vision (ECCV 2004). The goal of this workshop was to provide an interdisciplinary forum to communicate computational models of visual attention from various viewpoints such as from computer vision, psychology, robotics and neuroscience. The motivation for interdisciplinaryity was communication and inspiration beyond the individual community, to focus discussion on computational modelling, outline relevant objectives for performance comparison, to explore promising application domains, and to discuss these with reference to all related aspects of cognitive vision. The workshop was held as a single-day, single-track event consisting of high-quality podium and poster presentations. Invited talks were given by...

Reviews

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