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Disciplina	006.3/7
Soggetti	Neurosciences Computer graphics Pattern recognition Artificial intelligence Optical data processing Computer Graphics Pattern Recognition Artificial Intelligence Image Processing and Computer Vision Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Attention in Scene Exploration -- On the Optimality of Spatial Attention for Object Detection -- Decoding What People See from Where They Look: Predicting Visual Stimuli from Scanpaths -- A Novel Hierarchical Framework for Object-Based Visual Attention -- Where Do We Grasp Objects? -- An Experimental Verification of the Selective Attention for Action Model (SAAM) -- Contextual Cueing and Saliency -- Integrating Visual Context and Object Detection within a Probabilistic Framework

-- The Time Course of Attentional Guidance in Contextual Cueing --
Conspicuity and Congruity in Change Detection -- Spatiotemporal
Saliency -- Spatiotemporal Saliency: Towards a Hierarchical
Representation of Visual Saliency -- Motion Saliency Maps from
Spatiotemporal Filtering -- Attentional Networks -- Model Based
Analysis of fMRI-Data: Applying the sSoTS Framework to the Neural
Basic of Preview Search -- Modelling the Efficiencies and Interactions of
Attentional Networks -- The JAMF Attention Modelling Framework --
Attentional Modeling -- Modeling Attention and Perceptual Grouping to
Salient Objects -- Attention Mechanisms in the CHREST Cognitive
Architecture -- Modeling the Interactions of Bottom-Up and Top-Down
Guidance in Visual Attention -- Relative Influence of Bottom-Up and
Top-Down Attention -- Towards Standardization of Evaluation Metrics
and Methods for Visual Attention Models -- Comparing Learning
Attention Control in Perceptual and Decision Space -- Automated
Visual Attention Manipulation.

Sommario/riassunto

This volume constitutes the thoroughly refereed post-workshop proceedings of the 5th International Workshop on Attention in Cognitive Systems, WAPCV 2008, held in Fira, Santorini, Greece in May 2008 as an associated event of the 6th International Conference on Computer Vision Systems (ICVS 2008). The 13 revised full papers presented together with with 9 posters, have been carefully selected from 34 submissions. The papers are organized in topical sections on attention in scene exploration, contexteal cueing and saliency, spatiotemporal saliency, attentional networks as well as attentional modelling.
