

This book considers computer vision to be an integral part of the artificial intelligence system. The core of the book is an analysis of possible approaches to the creation of artificial vision systems, which simulate human visual perception. Much attention is paid to the latest achievements in visual psychology and physiology, the description of the functional and structural organization of the human perception mechanism, the peculiarities of artistic perception and the expression of reality. Computer vision models based on these data are investigated. They include the processes of external data analysis, internal environmental model synthesis, and the generating of behavioristic responses based on external and internal models comparison. Computer vision system evolution resulting from environmental effects is also considered. A unique feature of this book is the authors use of black and white, and colour prints of traditional and contemporary Russian art to illustrate their principal theses. In doing so, they introduce the reader to a particularly Russian view of the world.

Modern Aspects of Electrochemistry 40, Export Assistance: The Way Back and Forward: An Empirical Investigation into Developing Country Born Globals (SpringerBriefs in Business), Dramatised Good News Bible, Small group communication: A reader, New Methods in Pavement Maintenance Strategy Selection: Coupling of Decision Making with Analytical Hierarchy Process,

Description, Singapore: World Scientific, viii, p.: ill. ; 23 cm. ISBN, (paperback) Series. Series in computer science ; v. See details and download book: Kindle Free E Book From Humans To Computers Cognition Through Visual Perception Series In Computer Science Pdf .

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We can best understand human behavior in natural interactions. Moreover, we want to understand the visual perception of social crowds, which in Germany, , Series: Lecture Notes in Computer Science ; IEEE Computer Society Workshop on Motion and Vision Computing (MOTION).

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